

## **APPENDIX A**

### **Air Quality Parameter for WE/WD Conceptual Model**

## Index of Air Quality Parameters

No.	Code	Parameter	Purpose
1	o3max	[O3]max (ppb)	WE/WD effect indicator
2	no_34	3-4 PST [NO] (ppb)	Carryover
3	nox_34	3-4 PST [NOx] (ppb)	Carryover
4	no2_34	3-4 PST [NO2] (ppb)	Carryover
5	o3pno2_34	3-4 PST [O3+NO2] (ppb)	Potential ozone carryover
6	co_34	3-4 PST [CO] (ppm)	Surrogate for gas-powered emissions carryover
7	nmhc_34	3-4 PST [NMHC] (ppbC)	Carryover (via Bendix or regression with CO)
8	no_67	6-7 PST [NO] (ppb)	Ozone titration potential (morning rush hour)
9	no2_67	6-7 PST [NO2] (ppb)	For NO2-NO comparison
10	co_67	6-7 PST [CO] (ppm)	Surrogate for gas-powered morning emissions
11	nmhc_67	6-7 PST [NMHC] (ppbC)	Fresh emissions (morning rush hour)
12	n0_58	5-8 PST [NO] (ppb)	Morning commute
13	no2_58	5-8 PST [NO2] (ppb)	Morning commute
14	nox_58	5-8 PST [NOx] (ppb)	Morning commute
15	co_58	5-8 PST [CO] (ppm)	Morning commute (to help with NMHC via rCO)
16	nmhc_58	5-8 PST [NMHC] (ppbC)	Morning commute
17	ratio_58	5-8 PST NMHC/NOx	Reaction efficiency/rate for morning commute
18	ratio_eq	NMHC/NOx(tNO=O3)	Reaction efficiency/rate at tNO=O3
19	ratio_max	NMHC/NOx(tO3max)	Reaction efficiency/rate at tO3max
20	tNOeqO3	tNO=O3 (PST)	Interpolated time for O3 titration-to-production
21	to3max	tO3max (PST)	Hour of daily max
22	tO3tNO	tO3max-tNO=O3 (PST)	Time for ozone accumulation
23	o3tNOeqO3	[O3(tNO=O3)] (ppb)	Ozone concentration at titration-to-production
24	o3rate	O3rate (ppb/hour)	Rate of O3 accumulation (see definition below)

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Rate of O3 accumulation:  $([O3]_{max} - [O3(tNO=O3)]) / (tO3max - tNO=O3)$

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameter by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
o3max	1981	75 ± 6 (17)	56 ± 6 (18)	62 ± 8 (18)	71 ± 9 (18)	86 ± 13 (17)	75 ± 9 (17)	75 ± 6 (17)
o3max	1982	53 ± 6 (17)	46 ± 6 (17)	53 ± 8 (18)	52 ± 9 (18)	60 ± 11 (18)	46 ± 9 (17)	56 ± 5 (17)
o3max	1983	94 ± 16 (17)	69 ± 7 (17)	77 ± 9 (17)	64 ± 8 (18)	51 ± 5 (18)	63 ± 7 (18)	85 ± 11 (17)
o3max	1984	70 ± 10 (18)	60 ± 9 (17)	56 ± 7 (17)	74 ± 14 (17)	58 ± 7 (17)	66 ± 8 (18)	69 ± 9 (18)
o3max	1985	81 ± 12 (18)	59 ± 8 (18)	58 ± 7 (17)	52 ± 5 (17)	72 ± 11 (16)	64 ± 8 (17)	77 ± 10 (18)
o3max	1986	69 ± 8 (17)	56 ± 7 (17)	56 ± 7 (17)	55 ± 5 (17)	58 ± 8 (17)	56 ± 7 (17)	61 ± 7 (17)
o3max	1987	58 ± 3 (17)	52 ± 7 (18)	56 ± 4 (18)	54 ± 4 (18)	46 ± 4 (17)	48 ± 5 (17)	59 ± 6 (17)
o3max	1988	61 ± 7 (17)	42 ± 4 (17)	57 ± 5 (17)	48 ± 4 (18)	59 ± 6 (18)	52 ± 4 (18)	59 ± 7 (17)
o3max	1989	66 ± 8 (17)	46 ± 4 (17)	58 ± 8 (17)	51 ± 5 (17)	56 ± 5 (18)	60 ± 6 (18)	58 ± 6 (18)
o3max	1990	47 ± 6 (18)	45 ± 4 (17)	46 ± 5 (17)	36 ± 3 (17)	42 ± 4 (17)	39 ± 3 (18)	46 ± 5 (18)
o3max	1991	60 ± 5 (18)	47 ± 3 (18)	46 ± 5 (17)	45 ± 4 (17)	49 ± 4 (17)	48 ± 5 (17)	51 ± 4 (18)
o3max	1992	74 ± 9 (17)	56 ± 7 (18)	57 ± 5 (18)	62 ± 5 (18)	64 ± 4 (17)	54 ± 5 (17)	68 ± 7 (17)
o3max	1993	61 ± 7 (17)	48 ± 5 (17)	51 ± 6 (18)	59 ± 6 (17)	53 ± 5 (18)	55 ± 4 (17)	58 ± 5 (17)
o3max	1994	66 ± 7 (17)	49 ± 4 (17)	55 ± 4 (17)	52 ± 5 (18)	57 ± 5 (18)	59 ± 5 (18)	62 ± 4 (17)
o3max	1995	67 ± 4 (17)	56 ± 4 (17)	54 ± 4 (17)	58 ± 5 (17)	57 ± 3 (18)	57 ± 4 (18)	71 ± 3 (18)
o3max	1996	68 ± 7 (8)	55 ± 4 (8)	46 ± 4 (8)	41 ± 3 (8)	50 ± 6 (8)	50 ± 8 (8)	73 ± 9 (8)
o3max	1997	52 ± 3 (18)	46 ± 3 (18)	47 ± 3 (18)	45 ± 3 (17)	47 ± 4 (17)	44 ± 4 (17)	49 ± 4 (17)
o3max	1998	58 ± 3 (17)	49 ± 4 (18)	49 ± 4 (17)	41 ± 3 (18)	49 ± 3 (17)	49 ± 3 (17)	61 ± 5 (17)
o3max	81-84	73 ± 5 (69)	58 ± 4 (69)	62 ± 4 (70)	65 ± 5 (71)	64 ± 5 (70)	63 ± 4 (70)	71 ± 4 (69)
o3max	84-89	67 ± 4 (86)	51 ± 3 (87)	57 ± 3 (86)	52 ± 2 (87)	58 ± 3 (86)	56 ± 3 (87)	63 ± 3 (87)
o3max	90-94	61 ± 3 (87)	49 ± 2 (87)	51 ± 2 (87)	51 ± 2 (87)	53 ± 2 (87)	51 ± 2 (87)	57 ± 2 (87)
o3max	95-98	60 ± 2 (60)	51 ± 2 (61)	49 ± 2 (60)	47 ± 2 (60)	51 ± 2 (60)	50 ± 2 (60)	62 ± 3 (60)
34no2	1981	33 ± 4 (15)	26 ± 3 (14)	34 ± 4 (16)	34 ± 4 (16)	31 ± 3 (16)	33 ± 4 (15)	33 ± 3 (15)
34no2	1982	25 ± 3 (17)	23 ± 3 (16)	25 ± 3 (17)	28 ± 3 (17)	27 ± 4 (17)	24 ± 3 (16)	23 ± 3 (17)
34no2	1983	32 ± 6 (17)	23 ± 3 (17)	26 ± 2 (17)	25 ± 3 (18)	22 ± 3 (18)	27 ± 3 (18)	31 ± 3 (17)
34no2	1984	24 ± 5 (18)	22 ± 3 (17)	31 ± 3 (15)	24 ± 3 (17)	19 ± 2 (16)	19 ± 2 (18)	27 ± 3 (18)
34no2	1985	25 ± 3 (18)	23 ± 3 (18)	25 ± 5 (17)	25 ± 3 (17)	23 ± 3 (16)	29 ± 4 (17)	30 ± 4 (18)
34no2	1986	28 ± 3 (17)	31 ± 2 (17)	28 ± 5 (17)	28 ± 2 (16)	29 ± 3 (17)	26 ± 3 (17)	31 ± 3 (17)
34no2	1987	22 ± 2 (17)	22 ± 2 (18)	22 ± 3 (18)	23 ± 3 (18)	18 ± 2 (17)	23 ± 3 (17)	21 ± 2 (17)
34no2	1988	26 ± 4 (17)	22 ± 2 (17)	27 ± 3 (16)	27 ± 3 (18)	27 ± 3 (18)	26 ± 3 (18)	26 ± 3 (17)
34no2	1989	23 ± 3 (17)	22 ± 3 (17)	24 ± 2 (17)	21 ± 2 (17)	26 ± 4 (18)	27 ± 3 (18)	24 ± 3 (18)
34no2	1990	25 ± 3 (17)	21 ± 3 (16)	21 ± 2 (17)	24 ± 4 (17)	16 ± 3 (17)	18 ± 2 (18)	26 ± 3 (18)
34no2	1991	15 ± 2 (18)	14 ± 3 (18)	17 ± 3 (17)	15 ± 3 (17)	14 ± 3 (16)	15 ± 4 (17)	16 ± 2 (18)
34no2	1992	22 ± 3 (17)	21 ± 2 (18)	23 ± 3 (18)	27 ± 3 (18)	22 ± 3 (17)	21 ± 2 (17)	22 ± 3 (17)
34no2	1993	17 ± 3 (17)	25 ± 3 (17)	21 ± 2 (18)	17 ± 2 (17)	17 ± 2 (17)	16 ± 3 (16)	19 ± 3 (17)
34no2	1994	15 ± 2 (17)	18 ± 2 (17)	21 ± 3 (17)	23 ± 3 (18)	19 ± 2 (18)	23 ± 3 (18)	23 ± 3 (17)
34no2	1995	23 ± 3 (17)	21 ± 3 (17)	21 ± 3 (17)	19 ± 3 (17)	19 ± 2 (18)	24 ± 2 (18)	25 ± 3 (18)
34no2	1996	17 ± 3 (8)	14 ± 2 (8)	18 ± 3 (8)	13 ± 2 (8)	12 ± 2 (8)	14 ± 3 (8)	23 ± 3 (8)
34no2	1997	18 ± 2 (18)	18 ± 2 (18)	23 ± 3 (18)	25 ± 4 (17)	18 ± 3 (17)	14 ± 3 (16)	14 ± 2 (17)
34no2	1998	13 ± 2 (17)	17 ± 2 (18)	20 ± 3 (17)	19 ± 2 (18)	19 ± 3 (17)	23 ± 3 (17)	19 ± 3 (17)
34no2	81-84	28 ± 2 (67)	23 ± 1 (64)	29 ± 2 (65)	28 ± 2 (68)	25 ± 2 (67)	26 ± 2 (67)	28 ± 2 (67)
34no2	84-89	25 ± 1 (86)	24 ± 1 (87)	25 ± 2 (85)	25 ± 1 (86)	24 ± 1 (86)	26 ± 1 (87)	26 ± 1 (87)
34no2	90-94	19 ± 1 (86)	20 ± 1 (86)	20 ± 1 (87)	21 ± 1 (87)	18 ± 1 (85)	19 ± 1 (86)	21 ± 1 (87)
34no2	95-98	18 ± 1 (60)	18 ± 1 (61)	21 ± 2 (60)	20 ± 2 (60)	18 ± 1 (60)	19 ± 1 (59)	20 ± 1 (60)
34no	1981	6 ± 2 (14)	4 ± 2 (13)	13 ± 5 (16)	12 ± 7 (16)	9 ± 3 (16)	8 ± 5 (15)	4 ± 2 (14)
34no	1982	16 ± 5 (17)	14 ± 6 (16)	11 ± 3 (17)	12 ± 3 (17)	17 ± 5 (17)	21 ± 8 (16)	20 ± 8 (17)
34no	1983	15 ± 2 (17)	10 ± 1 (17)	15 ± 2 (17)	13 ± 2 (18)	14 ± 3 (18)	17 ± 3 (18)	22 ± 6 (17)
34no	1984	16 ± 9 (18)	6 ± 2 (17)	11 ± 5 (15)	8 ± 4 (17)	5 ± 3 (16)	6 ± 2 (18)	11 ± 3 (18)
34no	1985	8 ± 2 (18)	12 ± 2 (18)	24 ± 8 (17)	11 ± 3 (17)	25 ± 11 (16)	26 ± 7 (17)	25 ± 7 (18)
34no	1986	21 ± 7 (17)	18 ± 8 (17)	23 ± 8 (17)	11 ± 3 (16)	13 ± 4 (17)	14 ± 4 (17)	15 ± 4 (17)
34no	1987	9 ± 4 (17)	9 ± 4 (18)	9 ± 3 (18)	9 ± 3 (18)	5 ± 2 (17)	8 ± 3 (17)	5 ± 2 (17)
34no	1988	15 ± 11 (17)	5 ± 2 (17)	5 ± 3 (16)	12 ± 4 (18)	6 ± 2 (18)	9 ± 6 (18)	6 ± 3 (17)
34no	1989	6 ± 2 (17)	8 ± 3 (17)	9 ± 4 (17)	10 ± 4 (17)	14 ± 6 (18)	12 ± 5 (18)	8 ± 2 (18)
34no	1990	8 ± 3 (17)	5 ± 2 (16)	12 ± 4 (17)	10 ± 4 (17)	5 ± 4 (17)	6 ± 2 (18)	11 ± 3 (18)
34no	1991	6 ± 2 (18)	5 ± 1 (18)	7 ± 3 (17)	6 ± 2 (17)	6 ± 4 (16)	4 ± 1 (17)	4 ± 2 (18)
34no	1992	4 ± 2 (17)	8 ± 3 (18)	8 ± 3 (18)	3 ± 1 (18)	6 ± 2 (17)	4 ± 2 (17)	13 ± 5 (17)
34no	1993	3 ± 1 (17)	5 ± 3 (17)	7 ± 3 (18)	2 ± 1 (17)	3 ± 1 (17)	6 ± 2 (16)	9 ± 4 (17)
34no	1994	8 ± 4 (17)	4 ± 2 (17)	7 ± 3 (17)	11 ± 5 (18)	4 ± 1 (18)	15 ± 5 (18)	5 ± 1 (17)
34no	1995	8 ± 2 (17)	8 ± 3 (17)	7 ± 3 (17)	4 ± 2 (17)	4 ± 1 (18)	9 ± 3 (18)	16 ± 7 (18)
34no	1996	4 ± 1 (8)	3 ± 0 (8)	6 ± 3 (8)	3 ± 0 (8)	3 ± 0 (8)	4 ± 1 (8)	15 ± 8 (8)
34no	1997	8 ± 3 (18)	2 ± 1 (18)	13 ± 5 (18)	11 ± 4 (17)	8 ± 3 (17)	6 ± 4 (16)	3 ± 1 (17)
34no	1998	2 ± 1 (17)	4 ± 4 (18)	1 ± 1 (17)	2 ± 1 (18)	9 ± 5 (17)	6 ± 3 (17)	3 ± 2 (17)
34no	81-84	14 ± 3 (66)	9 ± 2 (63)	13 ± 2 (65)	11 ± 2 (68)	11 ± 2 (67)	13 ± 3 (67)	15 ± 3 (66)
34no	84-89	12 ± 3 (86)	11 ± 2 (87)	14 ± 3 (85)	11 ± 1 (86)	12 ± 3 (86)	14 ± 2 (87)	12 ± 2 (87)
34no	90-94	6 ± 1 (86)	5 ± 1 (86)	8 ± 1 (87)	7 ± 1 (87)	5 ± 1 (85)	7 ± 1 (86)	9 ± 1 (87)
34no	95-98	6 ± 1 (60)	4 ± 1 (61)	7 ± 2 (60)	5 ± 1 (60)	6 ± 2 (60)	7 ± 2 (59)	8 ± 3 (60)
34no2_nox	1981	0.87 ± 0.04 (14)	0.92 ± 0.03 (13)	0.82 ± 0.06 (16)	0.90 ± 0.05 (16)	0.86 ± 0.04 (16)	0.91 ± 0.04 (15)	0.94 ± 0.03 (14)
34no2_nox	1982	0.62 ± 0.07 (17)	0.72 ± 0.05 (16)	0.78 ± 0.05 (17)	0.76 ± 0.05 (17)	0.65 ± 0.06 (17)	0.64 ± 0.06 (16)	0.62 ± 0.06 (17)
34no2_nox	1983	0.61 ± 0.06 (17)	0.65 ± 0.05 (17)	0.65 ± 0.04 (17)	0.65 ± 0.03 (18)	0.62 ± 0.04 (18)	0.60 ± 0.04 (18)	0.63 ± 0.03 (17)
34no2_nox	1984	0.71 ± 0.07 (17)	0.83 ± 0.05 (17)	0.82 ± 0.06 (15)	0.85 ± 0.05 (17)	0.86 ± 0.05 (16)	0.87 ± 0.05 (18)	0.76 ± 0.07 (18)
34no2_nox	1985	0.76 ± 0.06 (18)	0.68 ± 0.04 (18)	0.61 ± 0.07 (17)	0.72 ± 0.05 (17)	0.65 ± 0.08 (16)	0.61 ± 0.05 (17)	0.60 ± 0.05 (18)
34no2_nox	1986	0.67 ± 0.06 (17)	0.74 ± 0.05 (17)	0.65 ± 0.05 (17)	0.77 ± 0.05 (16)	0.74 ± 0.04 (17)	0.71 ± 0.05 (17)	0.70 ± 0.06 (17)
34no2_nox	1987	0.86 ± 0.06 (17)	0.83 ± 0.05 (18)	0.81 ± 0.05 (18)	0.79 ± 0.05 (18)	0.80 ± 0.07 (17)	0.84 ± 0.05 (17)	0.84 ± 0.05 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameter by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
34no2_nox	1988	0.88 ± 0.05 (17)	0.88 ± 0.05 (16)	0.90 ± 0.05 (16)	0.77 ± 0.05 (18)	0.88 ± 0.04 (18)	0.89 ± 0.05 (18)	0.87 ± 0.05 (17)
34no2_nox	1989	0.85 ± 0.04 (17)	0.82 ± 0.05 (17)	0.82 ± 0.05 (17)	0.79 ± 0.06 (17)	0.75 ± 0.06 (18)	0.79 ± 0.05 (18)	0.79 ± 0.05 (18)
34no2_nox	1990	0.84 ± 0.05 (17)	0.89 ± 0.05 (15)	0.76 ± 0.06 (16)	0.86 ± 0.05 (16)	0.86 ± 0.07 (17)	0.87 ± 0.05 (18)	0.79 ± 0.05 (18)
34no2_nox	1991	0.79 ± 0.06 (15)	0.74 ± 0.08 (17)	0.78 ± 0.08 (15)	0.73 ± 0.09 (16)	0.75 ± 0.11 (13)	0.69 ± 0.11 (14)	0.88 ± 0.05 (16)
34no2_nox	1992	0.86 ± 0.07 (17)	0.81 ± 0.05 (18)	0.78 ± 0.07 (18)	0.92 ± 0.03 (18)	0.80 ± 0.07 (17)	0.93 ± 0.04 (17)	0.77 ± 0.08 (17)
34no2_nox	1993	0.89 ± 0.06 (17)	0.92 ± 0.04 (17)	0.86 ± 0.05 (18)	0.91 ± 0.04 (17)	0.87 ± 0.07 (17)	0.80 ± 0.07 (16)	0.80 ± 0.06 (17)
34no2_nox	1994	0.79 ± 0.04 (17)	0.86 ± 0.03 (17)	0.83 ± 0.03 (17)	0.81 ± 0.04 (18)	0.84 ± 0.02 (18)	0.75 ± 0.05 (18)	0.85 ± 0.02 (17)
34no2_nox	1995	0.79 ± 0.03 (17)	0.81 ± 0.03 (17)	0.81 ± 0.03 (17)	0.85 ± 0.03 (17)	0.87 ± 0.03 (18)	0.79 ± 0.03 (18)	0.77 ± 0.05 (18)
34no2_nox	1996	0.81 ± 0.02 (8)	0.79 ± 0.03 (8)	0.77 ± 0.03 (8)	0.76 ± 0.03 (8)	0.79 ± 0.02 (8)	0.78 ± 0.02 (8)	0.77 ± 0.08 (8)
34no2_nox	1997	0.80 ± 0.04 (18)	0.90 ± 0.02 (18)	0.79 ± 0.05 (18)	0.80 ± 0.04 (17)	0.82 ± 0.04 (17)	0.87 ± 0.04 (16)	0.87 ± 0.03 (17)
34no2_nox	1998	0.97 ± 0.02 (17)	0.95 ± 0.04 (18)	0.97 ± 0.02 (17)	0.96 ± 0.02 (18)	0.90 ± 0.05 (17)	0.89 ± 0.04 (17)	0.94 ± 0.03 (17)
34no2_nox	81-84	0.69 ± 0.03 (65)	0.77 ± 0.03 (63)	0.76 ± 0.03 (65)	0.79 ± 0.02 (68)	0.74 ± 0.03 (67)	0.75 ± 0.03 (67)	0.73 ± 0.03 (66)
34no2_nox	84-89	0.80 ± 0.03 (86)	0.79 ± 0.02 (86)	0.76 ± 0.03 (85)	0.77 ± 0.02 (86)	0.77 ± 0.03 (86)	0.77 ± 0.02 (87)	0.76 ± 0.02 (87)
34no2_nox	90-94	0.84 ± 0.03 (83)	0.84 ± 0.02 (84)	0.80 ± 0.03 (84)	0.85 ± 0.02 (85)	0.83 ± 0.03 (82)	0.81 ± 0.03 (83)	0.81 ± 0.02 (85)
34no2_nox	95-98	0.85 ± 0.02 (60)	0.88 ± 0.02 (61)	0.84 ± 0.02 (60)	0.86 ± 0.02 (60)	0.85 ± 0.02 (60)	0.84 ± 0.02 (59)	0.85 ± 0.02 (60)
34nmhc	1981	243 ± 38 (17)	167 ± 33 (18)	234 ± 62 (18)	201 ± 75 (18)	136 ± 29 (17)	196 ± 47 (16)	154 ± 32 (17)
34nmhc	1982	279 ± 45 (17)	243 ± 46 (17)	268 ± 36 (18)	251 ± 51 (18)	251 ± 51 (18)	315 ± 56 (17)	226 ± 53 (17)
34nmhc	1983	405 ± 61 (17)	279 ± 36 (17)	333 ± 29 (17)	234 ± 37 (18)	234 ± 37 (18)	285 ± 43 (18)	387 ± 45 (17)
34nmhc	1984	201 ± 86 (18)	118 ± 25 (17)	196 ± 47 (16)	154 ± 42 (17)	101 ± 19 (16)	133 ± 28 (18)	201 ± 36 (18)
34nmhc	1985	133 ± 28 (18)	133 ± 28 (18)	226 ± 70 (17)	136 ± 29 (17)	215 ± 68 (16)	243 ± 70 (17)	234 ± 66 (18)
34nmhc	1986	297 ± 68 (17)	243 ± 53 (17)	279 ± 74 (17)	120 ± 26 (16)	172 ± 44 (17)	208 ± 53 (17)	279 ± 52 (17)
34nmhc	1987	158 ± 34 (16)	208 ± 53 (17)	167 ± 41 (18)	167 ± 33 (18)	100 ± 18 (17)	154 ± 42 (17)	136 ± 29 (17)
34nmhc	1988	190 ± 90 (17)	100 ± 18 (17)	100 ± 18 (17)	136 ± 29 (17)	133 ± 28 (18)	133 ± 51 (18)	100 ± 18 (17)
34nmhc	1989	118 ± 25 (17)	118 ± 25 (17)	118 ± 25 (17)	118 ± 25 (17)	201 ± 44 (18)	116 ± 23 (18)	133 ± 28 (18)
34nmhc	1990	315 ± 49 (17)	273 ± 38 (16)	315 ± 56 (17)	279 ± 45 (17)	243 ± 46 (17)	268 ± 44 (18)	351 ± 52 (17)
34nmhc	1991	190 ± 36 (17)	172 ± 35 (17)	172 ± 35 (17)	154 ± 32 (17)	120 ± 26 (16)	172 ± 35 (17)	184 ± 35 (18)
34nmhc	1992	136 ± 29 (17)	184 ± 35 (18)	150 ± 31 (18)	150 ± 31 (18)	154 ± 32 (17)	154 ± 32 (17)	226 ± 59 (17)
34nmhc	1993	116 ± 34 (9)	143 ± 41 (10)	221 ± 48 (11)	110 ± 28 (11)	110 ± 28 (11)	150 ± 45 (9)	116 ± 34 (9)
34nmhc	1994	285 ± 42 (17)	267 ± 37 (17)	261 ± 31 (17)	276 ± 38 (17)	248 ± 37 (18)	316 ± 43 (18)	339 ± 33 (17)
34nmhc	1995	226 ± 27 (17)	193 ± 22 (17)	181 ± 23 (17)	181 ± 18 (17)	185 ± 18 (18)	204 ± 26 (18)	263 ± 52 (18)
34nmhc	1996	170 ± 29 (8)	135 ± 18 (8)	151 ± 19 (8)	97 ± 12 (8)	135 ± 21 (8)	162 ± 24 (8)	219 ± 50 (8)
34nmhc	1997	201 ± 24 (18)	163 ± 15 (18)	223 ± 33 (18)	211 ± 34 (17)	186 ± 23 (17)	173 ± 26 (17)	141 ± 10 (17)
34nmhc	1998	164 ± 19 (16)	170 ± 31 (17)	156 ± 25 (16)	145 ± 18 (17)	141 ± 27 (16)	161 ± 22 (17)	152 ± 19 (16)
34nmhc	81-84	281 ± 31 (69)	201 ± 19 (69)	259 ± 23 (69)	211 ± 26 (71)	184 ± 20 (69)	232 ± 23 (69)	241 ± 23 (69)
34nmhc	84-89	179 ± 25 (85)	160 ± 18 (86)	178 ± 23 (86)	136 ± 13 (85)	163 ± 19 (86)	170 ± 22 (87)	177 ± 20 (87)
34nmhc	90-94	218 ± 20 (77)	212 ± 17 (78)	223 ± 19 (80)	199 ± 18 (80)	182 ± 17 (79)	220 ± 19 (79)	255 ± 22 (78)
34nmhc	95-98	194 ± 13 (59)	170 ± 12 (60)	183 ± 14 (59)	168 ± 13 (59)	167 ± 12 (59)	177 ± 13 (60)	192 ± 19 (59)
67no	1981	15 ± 3 (15)	65 ± 20 (15)	78 ± 22 (16)	73 ± 15 (16)	66 ± 14 (16)	80 ± 18 (16)	20 ± 4 (15)
67no	1982	22 ± 4 (17)	59 ± 13 (16)	66 ± 12 (16)	58 ± 12 (17)	101 ± 21 (17)	78 ± 17 (16)	26 ± 6 (17)
67no	1983	25 ± 6 (17)	70 ± 13 (17)	75 ± 10 (17)	49 ± 9 (18)	64 ± 11 (18)	78 ± 14 (18)	48 ± 9 (17)
67no	1984	17 ± 4 (18)	36 ± 7 (17)	81 ± 18 (15)	62 ± 15 (17)	66 ± 12 (16)	38 ± 7 (18)	28 ± 6 (18)
67no	1985	25 ± 5 (18)	66 ± 15 (18)	72 ± 24 (17)	75 ± 17 (17)	79 ± 19 (16)	95 ± 22 (17)	53 ± 13 (18)
67no	1986	24 ± 6 (17)	75 ± 20 (17)	65 ± 12 (17)	64 ± 11 (16)	57 ± 8 (17)	59 ± 11 (17)	32 ± 6 (17)
67no	1987	18 ± 5 (17)	43 ± 7 (18)	54 ± 12 (18)	63 ± 16 (18)	36 ± 6 (17)	40 ± 8 (17)	15 ± 4 (17)
67no	1988	24 ± 9 (17)	56 ± 10 (17)	55 ± 11 (16)	57 ± 16 (18)	61 ± 14 (18)	43 ± 14 (18)	18 ± 4 (17)
67no	1989	14 ± 2 (17)	49 ± 11 (17)	51 ± 14 (17)	57 ± 16 (17)	51 ± 14 (18)	51 ± 11 (18)	22 ± 5 (18)
67no	1990	11 ± 2 (17)	38 ± 12 (16)	86 ± 16 (17)	62 ± 15 (17)	43 ± 8 (17)	44 ± 10 (18)	32 ± 7 (18)
67no	1991	13 ± 3 (18)	29 ± 3 (18)	44 ± 10 (17)	45 ± 15 (17)	41 ± 11 (16)	29 ± 7 (17)	10 ± 2 (18)
67no	1992	12 ± 4 (17)	43 ± 12 (18)	44 ± 9 (18)	64 ± 16 (18)	49 ± 10 (17)	42 ± 9 (17)	30 ± 8 (17)
67no	1993	11 ± 4 (17)	38 ± 18 (17)	32 ± 6 (18)	38 ± 10 (17)	38 ± 11 (17)	33 ± 5 (16)	20 ± 4 (17)
67no	1994	13 ± 5 (17)	40 ± 14 (17)	28 ± 7 (17)	64 ± 17 (18)	44 ± 11 (18)	39 ± 10 (18)	19 ± 4 (17)
67no	1995	13 ± 3 (17)	49 ± 15 (17)	34 ± 10 (17)	36 ± 8 (17)	36 ± 9 (18)	46 ± 9 (18)	39 ± 14 (18)
67no	1996	8 ± 1 (8)	32 ± 9 (8)	29 ± 8 (8)	25 ± 6 (8)	23 ± 8 (8)	21 ± 7 (8)	27 ± 12 (8)
67no	1997	14 ± 4 (18)	29 ± 6 (18)	60 ± 17 (18)	58 ± 15 (17)	36 ± 11 (17)	34 ± 12 (16)	15 ± 6 (17)
67no	1998	4 ± 1 (17)	29 ± 9 (18)	27 ± 6 (17)	27 ± 5 (18)	30 ± 6 (17)	38 ± 10 (17)	15 ± 4 (17)
67no	81-84	20 ± 2 (67)	57 ± 7 (65)	75 ± 8 (64)	60 ± 6 (68)	74 ± 8 (67)	68 ± 7 (68)	31 ± 3 (67)
67no	84-89	21 ± 3 (86)	58 ± 6 (87)	59 ± 7 (85)	63 ± 7 (86)	57 ± 6 (86)	57 ± 6 (87)	29 ± 4 (87)
67no	90-94	12 ± 2 (86)	37 ± 5 (86)	47 ± 5 (87)	55 ± 7 (87)	43 ± 5 (85)	38 ± 4 (86)	22 ± 3 (87)
67no	95-98	10 ± 2 (60)	35 ± 5 (61)	39 ± 6 (60)	38 ± 5 (60)	33 ± 5 (60)	37 ± 5 (59)	24 ± 5 (60)
67no2	1981	39 ± 3 (16)	43 ± 4 (16)	50 ± 4 (16)	53 ± 5 (16)	50 ± 3 (16)	49 ± 3 (16)	39 ± 3 (16)
67no2	1982	31 ± 3 (17)	37 ± 3 (16)	42 ± 5 (16)	46 ± 3 (17)	51 ± 6 (17)	46 ± 3 (16)	28 ± 3 (17)
67no2	1983	32 ± 5 (17)	46 ± 5 (17)	44 ± 4 (17)	38 ± 3 (18)	37 ± 2 (18)	42 ± 4 (18)	38 ± 3 (17)
67no2	1984	29 ± 4 (18)	39 ± 3 (17)	43 ± 3 (15)	39 ± 3 (17)	39 ± 3 (16)	34 ± 2 (18)	33 ± 4 (18)
67no2	1985	32 ± 4 (18)	42 ± 5 (18)	39 ± 4 (17)	44 ± 4 (17)	43 ± 3 (16)	46 ± 6 (17)	39 ± 4 (18)
67no2	1986	30 ± 4 (17)	42 ± 4 (17)	45 ± 4 (17)	46 ± 3 (16)	41 ± 2 (17)	41 ± 4 (17)	32 ± 3 (17)
67no2	1987	25 ± 3 (17)	31 ± 2 (18)	34 ± 4 (18)	40 ± 3 (18)	31 ± 2 (17)	32 ± 2 (17)	25 ± 3 (17)
67no2	1988	29 ± 5 (17)	38 ± 3 (17)	42 ± 2 (16)	38 ± 2 (18)	41 ± 3 (18)	38 ± 3 (18)	31 ± 2 (17)
67no2	1989	24 ± 4 (17)	33 ± 4 (17)	35 ± 3 (17)	38 ± 3 (17)	37 ± 4 (18)	38 ± 4 (18)	27 ± 3 (18)
67no2	1990	22 ± 3 (17)	32 ± 2 (16)	38 ± 3 (17)	36 ± 3 (17)	33 ± 3 (17)	30 ± 2 (18)	31 ± 4 (18)
67no2	1991	16 ± 2 (18)	29 ± 3 (18)	31 ± 3 (17)	30 ± 3 (17)	30 ± 4 (16)	32 ± 4 (17)	19 ± 2 (18)
67no2	1992	21 ± 2 (17)	26 ± 2 (18)	33 ± 3 (18)	39 ± 3 (18)	33 ± 3 (17)	29 ± 2 (17)	26 ± 3 (17)
67no2	1993	18 ± 3 (17)	28 ± 3 (17)	32 ± 3 (18)	27 ± 3 (17)	29 ± 3 (17)	31 ± 4 (16)	22 ± 3 (17)
67no2	1994	20 ± 3 (17)	28 ± 2 (17)	29 ± 2 (17)	32 ± 3 (18)	30 ± 3 (18)	31 ± 2 (18)	26 ± 3 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameter by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
67no2	1995	24 ± 2 (17)	34 ± 3 (17)	32 ± 3 (17)	33 ± 3 (17)	32 ± 2 (18)	37 ± 2 (18)	28 ± 3 (18)
67no2	1996	21 ± 3 (8)	30 ± 3 (8)	26 ± 3 (8)	25 ± 3 (8)	26 ± 4 (8)	25 ± 3 (8)	30 ± 6 (8)
67no2	1997	20 ± 2 (18)	26 ± 2 (18)	34 ± 3 (18)	32 ± 4 (17)	29 ± 4 (17)	27 ± 3 (16)	20 ± 2 (17)
67no2	1998	18 ± 2 (17)	30 ± 3 (18)	31 ± 2 (17)	31 ± 2 (18)	29 ± 2 (17)	32 ± 2 (17)	25 ± 2 (17)
67no2	81-84	33 ± 2 (68)	41 ± 2 (66)	45 ± 2 (64)	44 ± 2 (68)	44 ± 2 (67)	42 ± 2 (68)	34 ± 2 (68)
67no2	84-89	28 ± 2 (86)	37 ± 2 (87)	39 ± 2 (85)	41 ± 1 (86)	38 ± 1 (86)	39 ± 2 (87)	31 ± 1 (87)
67no2	90-94	19 ± 1 (86)	29 ± 1 (86)	33 ± 1 (87)	33 ± 1 (87)	31 ± 1 (85)	31 ± 1 (86)	25 ± 1 (87)
67no2	95-98	21 ± 1 (60)	30 ± 1 (61)	31 ± 2 (60)	31 ± 1 (60)	29 ± 1 (60)	31 ± 1 (59)	25 ± 2 (60)
67co	1981	0.3 ± 0.1 (17)	1.4 ± 0.4 (18)	1.4 ± 0.4 (18)	1.7 ± 0.3 (18)	1.5 ± 0.3 (17)	1.6 ± 0.4 (15)	0.5 ± 0.2 (17)
67co	1982	0.6 ± 0.1 (17)	1.6 ± 0.2 (17)	1.9 ± 0.2 (18)	1.9 ± 0.3 (18)	2.5 ± 0.4 (18)	1.8 ± 0.3 (17)	0.8 ± 0.2 (17)
67co	1983	1.1 ± 0.2 (17)	2.2 ± 0.3 (17)	2.3 ± 0.2 (17)	1.7 ± 0.2 (18)	1.9 ± 0.2 (18)	2.2 ± 0.2 (18)	1.5 ± 0.2 (17)
67co	1984	0.5 ± 0.1 (18)	1.1 ± 0.2 (17)	1.9 ± 0.4 (16)	1.6 ± 0.4 (17)	1.5 ± 0.3 (16)	1.1 ± 0.2 (18)	0.7 ± 0.2 (18)
67co	1985	0.6 ± 0.2 (18)	1.5 ± 0.3 (18)	1.5 ± 0.4 (17)	1.7 ± 0.3 (17)	1.6 ± 0.4 (16)	2.2 ± 0.5 (17)	1.1 ± 0.3 (18)
67co	1986	0.8 ± 0.2 (17)	2.0 ± 0.4 (17)	1.8 ± 0.3 (17)	1.7 ± 0.2 (16)	1.5 ± 0.2 (17)	1.7 ± 0.2 (17)	0.9 ± 0.2 (17)
67co	1987	0.6 ± 0.2 (16)	1.4 ± 0.2 (17)	1.4 ± 0.4 (18)	1.6 ± 0.3 (18)	1.0 ± 0.2 (17)	1.1 ± 0.2 (17)	0.6 ± 0.1 (17)
67co	1988	0.5 ± 0.3 (17)	1.2 ± 0.2 (17)	1.2 ± 0.3 (17)	1.2 ± 0.4 (17)	1.3 ± 0.3 (18)	1.1 ± 0.3 (18)	0.4 ± 0.1 (17)
67co	1989	0.2 ± 0.1 (17)	1.2 ± 0.2 (17)	1.2 ± 0.3 (17)	1.2 ± 0.3 (17)	1.1 ± 0.3 (18)	1.3 ± 0.3 (18)	0.5 ± 0.1 (18)
67co	1990	0.9 ± 0.2 (17)	1.6 ± 0.2 (16)	2.3 ± 0.3 (17)	2.1 ± 0.3 (17)	1.5 ± 0.2 (17)	1.7 ± 0.2 (18)	1.4 ± 0.3 (17)
67co	1991	0.6 ± 0.1 (17)	1.1 ± 0.1 (17)	1.4 ± 0.2 (17)	1.5 ± 0.3 (17)	1.3 ± 0.3 (16)	1.2 ± 0.2 (17)	0.7 ± 0.1 (18)
67co	1992	0.2 ± 0.1 (17)	1.3 ± 0.3 (18)	1.2 ± 0.2 (18)	1.7 ± 0.3 (18)	1.4 ± 0.2 (17)	1.2 ± 0.1 (17)	1.1 ± 0.2 (17)
67co	1993	0.3 ± 0.2 (9)	0.9 ± 0.1 (10)	1.2 ± 0.1 (11)	0.9 ± 0.2 (11)	0.7 ± 0.2 (11)	0.9 ± 0.3 (9)	0.4 ± 0.2 (9)
67co	1994	0.9 ± 0.2 (17)	1.5 ± 0.3 (17)	1.3 ± 0.2 (17)	1.9 ± 0.3 (17)	1.6 ± 0.2 (18)	1.6 ± 0.2 (18)	1.2 ± 0.1 (17)
67co	1995	0.5 ± 0.1 (17)	1.2 ± 0.2 (17)	0.9 ± 0.2 (17)	1.0 ± 0.1 (17)	1.0 ± 0.1 (18)	1.2 ± 0.1 (18)	1.0 ± 0.3 (18)
67co	1996	0.4 ± 0.1 (8)	0.9 ± 0.2 (8)	0.7 ± 0.2 (8)	0.5 ± 0.1 (8)	0.5 ± 0.1 (8)	0.7 ± 0.1 (8)	0.9 ± 0.3 (8)
67co	1997	0.6 ± 0.1 (18)	0.8 ± 0.1 (18)	1.3 ± 0.2 (18)	1.2 ± 0.2 (17)	1.0 ± 0.2 (17)	0.9 ± 0.2 (17)	0.5 ± 0.1 (17)
67co	1998	0.4 ± 0.1 (16)	0.8 ± 0.1 (17)	0.7 ± 0.1 (16)	0.7 ± 0.1 (17)	0.8 ± 0.1 (16)	0.9 ± 0.2 (17)	0.4 ± 0.1 (16)
67co	81-84	0.6 ± 0.1 (69)	1.6 ± 0.1 (69)	1.9 ± 0.2 (69)	1.7 ± 0.1 (71)	1.9 ± 0.2 (69)	1.6 ± 0.1 (68)	0.9 ± 0.1 (69)
67co	84-89	0.5 ± 0.1 (85)	1.5 ± 0.1 (86)	1.4 ± 0.1 (86)	1.5 ± 0.1 (85)	1.3 ± 0.1 (86)	1.5 ± 0.1 (87)	0.7 ± 0.1 (87)
67co	90-94	0.6 ± 0.1 (77)	1.3 ± 0.1 (78)	1.5 ± 0.1 (80)	1.7 ± 0.1 (80)	1.4 ± 0.1 (79)	1.4 ± 0.1 (79)	1.0 ± 0.1 (78)
67co	95-98	0.5 ± 0.1 (59)	0.9 ± 0.1 (60)	0.9 ± 0.1 (59)	0.9 ± 0.1 (59)	0.9 ± 0.1 (59)	0.9 ± 0.1 (60)	0.7 ± 0.1 (59)
67nmhc	1981	172 ± 44 (17)	506 ± 119 (18)	523 ± 124 (18)	591 ± 96 (18)	531 ± 83 (17)	570 ± 115 (15)	243 ± 46 (17)
67nmhc	1982	279 ± 36 (17)	585 ± 74 (17)	658 ± 65 (18)	658 ± 85 (18)	845 ± 116 (18)	621 ± 89 (17)	315 ± 56 (17)
67nmhc	1983	423 ± 73 (17)	746 ± 88 (17)	782 ± 63 (17)	608 ± 54 (18)	658 ± 60 (18)	743 ± 66 (18)	549 ± 70 (17)
67nmhc	1984	234 ± 44 (18)	405 ± 49 (17)	673 ± 123 (16)	585 ± 114 (17)	540 ± 84 (16)	404 ± 52 (18)	302 ± 59 (18)
67nmhc	1985	268 ± 66 (18)	540 ± 96 (18)	531 ± 134 (17)	603 ± 101 (17)	559 ± 108 (16)	746 ± 151 (17)	421 ± 104 (18)
67nmhc	1986	315 ± 67 (17)	692 ± 128 (17)	621 ± 81 (17)	597 ± 61 (16)	531 ± 46 (17)	603 ± 68 (17)	369 ± 55 (17)
67nmhc	1987	254 ± 62 (16)	495 ± 58 (17)	506 ± 108 (18)	557 ± 93 (18)	387 ± 59 (17)	405 ± 55 (17)	261 ± 46 (17)
67nmhc	1988	243 ± 95 (17)	459 ± 62 (17)	459 ± 76 (17)	459 ± 119 (17)	472 ± 88 (18)	421 ± 98 (18)	208 ± 38 (17)
67nmhc	1989	136 ± 29 (17)	441 ± 70 (17)	441 ± 88 (17)	441 ± 99 (17)	421 ± 95 (18)	472 ± 77 (18)	234 ± 44 (18)
67nmhc	1990	351 ± 52 (17)	559 ± 74 (16)	782 ± 97 (17)	710 ± 96 (17)	549 ± 59 (17)	608 ± 54 (18)	513 ± 83 (17)
67nmhc	1991	279 ± 36 (17)	423 ± 44 (17)	495 ± 58 (17)	531 ± 83 (17)	463 ± 81 (16)	459 ± 49 (17)	285 ± 35 (18)
67nmhc	1992	154 ± 32 (17)	489 ± 78 (18)	438 ± 71 (18)	608 ± 85 (18)	513 ± 64 (17)	459 ± 42 (17)	405 ± 67 (17)
67nmhc	1993	184 ± 51 (9)	357 ± 31 (10)	443 ± 37 (11)	359 ± 50 (11)	304 ± 72 (11)	353 ± 94 (9)	218 ± 54 (9)
67nmhc	1994	349 ± 53 (17)	534 ± 87 (17)	493 ± 49 (17)	671 ± 98 (17)	569 ± 71 (18)	564 ± 63 (18)	441 ± 41 (17)
67nmhc	1995	243 ± 28 (17)	439 ± 64 (17)	362 ± 53 (17)	393 ± 45 (17)	392 ± 35 (18)	450 ± 44 (18)	382 ± 85 (18)
67nmhc	1996	212 ± 33 (8)	360 ± 53 (8)	284 ± 50 (8)	234 ± 34 (8)	238 ± 21 (8)	288 ± 34 (8)	357 ± 88 (8)
67nmhc	1997	253 ± 34 (18)	335 ± 38 (18)	477 ± 75 (18)	457 ± 68 (17)	384 ± 60 (17)	351 ± 56 (17)	243 ± 28 (17)
67nmhc	1998	189 ± 30 (16)	330 ± 45 (17)	290 ± 44 (16)	296 ± 34 (17)	315 ± 37 (16)	344 ± 51 (17)	206 ± 33 (16)
67nmhc	81-84	277 ± 27 (69)	560 ± 45 (69)	657 ± 49 (69)	611 ± 44 (71)	648 ± 46 (69)	585 ± 42 (68)	352 ± 32 (69)
67nmhc	84-89	243 ± 30 (85)	526 ± 39 (86)	511 ± 44 (86)	531 ± 43 (85)	472 ± 37 (86)	527 ± 44 (87)	299 ± 29 (87)
67nmhc	90-94	272 ± 22 (77)	482 ± 32 (78)	536 ± 34 (80)	592 ± 41 (80)	494 ± 32 (79)	505 ± 27 (79)	387 ± 29 (78)
67nmhc	95-98	227 ± 16 (59)	366 ± 26 (60)	367 ± 32 (59)	362 ± 27 (59)	348 ± 23 (59)	370 ± 26 (60)	291 ± 32 (59)
58hc_nox	1981	3.7 ± 0.5 (15)	5.1 ± 0.6 (15)	4.9 ± 0.6 (17)	5.0 ± 0.3 (16)	4.8 ± 0.3 (16)	5.4 ± 1.1 (15)	4.4 ± 0.7 (15)
58hc_nox	1982	5.9 ± 0.6 (16)	6.4 ± 0.3 (16)	6.2 ± 0.4 (17)	6.1 ± 0.3 (17)	6.5 ± 0.4 (16)	5.6 ± 0.2 (16)	6.4 ± 0.6 (17)
58hc_nox	1983	7.4 ± 0.4 (17)	7.1 ± 0.4 (17)	6.9 ± 0.3 (17)	7.0 ± 0.3 (18)	6.8 ± 0.3 (18)	6.5 ± 0.4 (18)	6.7 ± 0.4 (17)
58hc_nox	1984	5.7 ± 0.6 (18)	5.6 ± 0.3 (16)	5.6 ± 0.2 (15)	5.9 ± 0.4 (17)	5.6 ± 0.3 (16)	5.8 ± 0.4 (18)	5.6 ± 0.5 (18)
58hc_nox	1985	4.4 ± 0.5 (18)	5.1 ± 0.3 (18)	5.2 ± 0.3 (16)	5.2 ± 0.3 (17)	5.1 ± 0.3 (16)	5.4 ± 0.3 (16)	4.4 ± 0.5 (18)
58hc_nox	1986	5.7 ± 0.5 (17)	5.5 ± 0.3 (17)	5.6 ± 0.2 (17)	5.8 ± 0.3 (16)	5.4 ± 0.2 (17)	6.0 ± 0.3 (17)	5.8 ± 0.5 (17)
58hc_nox	1987	5.3 ± 0.6 (16)	6.5 ± 0.4 (16)	6.0 ± 0.5 (17)	5.7 ± 0.3 (18)	5.6 ± 0.4 (17)	5.8 ± 0.3 (17)	6.0 ± 0.7 (17)
58hc_nox	1988	4.2 ± 0.5 (17)	5.1 ± 0.5 (16)	4.4 ± 0.4 (16)	4.9 ± 0.6 (17)	4.9 ± 0.4 (18)	5.6 ± 0.5 (17)	5.3 ± 0.8 (17)
58hc_nox	1989	4.2 ± 0.7 (17)	5.2 ± 0.3 (17)	5.1 ± 0.4 (17)	5.1 ± 0.4 (16)	5.4 ± 0.3 (18)	5.5 ± 0.3 (18)	4.8 ± 0.4 (18)
58hc_nox	1990	12.2 ± 1.2 (16)	9.5 ± 1.0 (15)	8.0 ± 1.0 (17)	8.4 ± 0.9 (17)	8.6 ± 0.9 (16)	9.3 ± 0.9 (18)	9.0 ± 0.8 (17)
58hc_nox	1991	11.0 ± 1.5 (17)	7.5 ± 0.4 (17)	7.4 ± 0.5 (17)	8.4 ± 0.9 (17)	8.2 ± 0.8 (16)	8.0 ± 0.5 (17)	10.3 ± 0.8 (18)
58hc_nox	1992	6.1 ± 0.6 (17)	7.1 ± 0.4 (18)	6.2 ± 0.4 (18)	6.4 ± 0.3 (18)	6.8 ± 0.4 (17)	6.9 ± 0.3 (17)	6.5 ± 0.4 (17)
58hc_nox	1993	7.9 ± 1.8 (9)	8.7 ± 1.0 (10)	6.7 ± 0.6 (11)	7.2 ± 1.2 (11)	7.0 ± 0.9 (11)	5.8 ± 0.6 (9)	7.4 ± 1.7 (9)
58hc_nox	1994	13.3 ± 1.7 (17)	9.2 ± 1.0 (17)	9.9 ± 0.9 (17)	8.2 ± 0.9 (16)	8.7 ± 0.6 (17)	9.6 ± 1.0 (18)	11.8 ± 1.3 (17)
58hc_nox	1995	7.7 ± 1.0 (17)	6.2 ± 0.6 (17)	6.4 ± 0.6 (17)	6.6 ± 0.7 (17)	6.7 ± 0.5 (18)	5.7 ± 0.4 (18)	6.9 ± 0.7 (18)
58hc_nox	1996	7.3 ± 0.8 (8)	6.4 ± 0.7 (8)	6.0 ± 1.0 (8)	5.2 ± 0.7 (8)	6.4 ± 0.9 (8)	7.2 ± 1.0 (8)	7.5 ± 1.4 (8)
58hc_nox	1997	8.4 ± 0.5 (18)	6.5 ± 0.4 (18)	6.1 ± 0.4 (18)	6.3 ± 0.6 (17)	7.2 ± 0.5 (16)	7.0 ± 0.4 (16)	8.8 ± 0.6 (17)
58hc_nox	1998	8.9 ± 1.1 (16)	6.2 ± 0.6 (17)	5.1 ± 0.3 (16)	5.3 ± 0.4 (17)	5.4 ± 0.4 (16)	5.6 ± 0.6 (17)	6.7 ± 0.8 (16)
58hc_nox	81-84	5.7 ± 0.3 (66)	6.1 ± 0.2 (64)	5.9 ± 0.2 (66)	6.0 ± 0.2 (68)	5.9 ± 0.2 (66)	5.9 ± 0.3 (67)	5.8 ± 0.3 (67)
58hc_nox	84-89	4.7 ± 0.3 (85)	5.5 ± 0.2 (84)	5.3 ± 0.2 (83)	5.3 ± 0.2 (84)	5.3 ± 0.2 (86)	5.7 ± 0.2 (85)	5.2 ± 0.3 (87)
58hc_nox	90-94	10.3 ± 0.7 (76)	8.3 ± 0.3 (77)	7.7 ± 0.3 (80)	7.8 ± 0.4 (79)	7.9 ± 0.3 (77)	8.2 ± 0.4 (79)	9.2 ± 0.5 (78)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameter by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
58hc_nox	95-98	8.2 ± 0.5 (59)	6.3 ± 0.3 (60)	5.9 ± 0.3 (59)	6.0 ± 0.3 (59)	6.4 ± 0.3 (58)	6.2 ± 0.3 (59)	7.4 ± 0.4 (59)
maxo3hc_nox	1981	5.9 ± 1.0 (15)	5.7 ± 0.9 (16)	5.3 ± 0.7 (17)	5.9 ± 0.8 (16)	4.0 ± 0.7 (14)	5.2 ± 0.5 (15)	7.7 ± 1.4 (15)
maxo3hc_nox	1982	8.1 ± 0.8 (16)	6.3 ± 0.4 (16)	6.9 ± 0.4 (17)	7.3 ± 0.9 (17)	5.6 ± 0.8 (17)	6.2 ± 0.7 (17)	7.7 ± 0.9 (17)
maxo3hc_nox	1983	7.6 ± 0.6 (17)	7.5 ± 0.6 (17)	7.8 ± 0.8 (17)	6.4 ± 0.4 (18)	6.8 ± 0.5 (18)	7.5 ± 0.8 (18)	7.4 ± 0.5 (17)
maxo3hc_nox	1984	6.5 ± 0.9 (18)	7.6 ± 0.7 (16)	5.5 ± 0.4 (13)	6.9 ± 0.5 (17)	6.7 ± 0.7 (17)	6.8 ± 0.6 (18)	6.9 ± 0.5 (18)
maxo3hc_nox	1985	6.7 ± 0.6 (18)	6.4 ± 0.7 (18)	6.6 ± 0.5 (17)	5.3 ± 0.5 (17)	6.6 ± 0.5 (15)	5.4 ± 0.5 (16)	6.0 ± 1.0 (18)
maxo3hc_nox	1986	5.5 ± 0.6 (17)	6.2 ± 0.5 (17)	6.5 ± 0.5 (17)	6.2 ± 0.4 (17)	5.6 ± 0.5 (17)	6.6 ± 0.6 (17)	5.6 ± 0.5 (17)
maxo3hc_nox	1987	6.9 ± 1.0 (16)	5.6 ± 1.4 (16)	7.0 ± 0.6 (17)	6.4 ± 0.4 (18)	6.2 ± 0.5 (16)	6.2 ± 0.4 (16)	6.9 ± 0.7 (17)
maxo3hc_nox	1988	5.1 ± 0.8 (17)	5.1 ± 0.9 (15)	4.5 ± 0.8 (16)	4.4 ± 0.6 (18)	5.8 ± 0.6 (17)	5.2 ± 0.8 (18)	4.4 ± 0.7 (17)
maxo3hc_nox	1989	4.1 ± 0.5 (17)	5.0 ± 0.7 (17)	4.5 ± 0.7 (17)	5.1 ± 0.7 (16)	6.2 ± 0.5 (18)	5.6 ± 0.5 (18)	4.9 ± 0.6 (18)
maxo3hc_nox	1990	11.8 ± 2.1 (16)	9.5 ± 1.1 (16)	10.8 ± 2.1 (16)	13.0 ± 2.7 (16)	11.8 ± 1.9 (16)	12.2 ± 2.6 (17)	9.6 ± 0.9 (16)
maxo3hc_nox	1991	8.6 ± 0.8 (17)	8.2 ± 0.7 (17)	8.4 ± 1.1 (14)	8.3 ± 1.0 (15)	7.6 ± 0.6 (15)	7.3 ± 0.5 (15)	7.9 ± 0.6 (15)
maxo3hc_nox	1992	10.6 ± 2.2 (17)	7.3 ± 0.6 (17)	7.9 ± 0.6 (18)	7.3 ± 0.5 (18)	7.8 ± 0.7 (17)	7.5 ± 0.6 (17)	7.3 ± 0.8 (17)
maxo3hc_nox	1993	8.4 ± 2.1 (9)	7.2 ± 1.2 (10)	6.4 ± 1.1 (10)	7.4 ± 1.2 (11)	6.9 ± 1.0 (9)	7.2 ± 1.7 (9)	7.0 ± 1.5 (9)
maxo3hc_nox	1994	13.5 ± 1.5 (17)	10.2 ± 1.2 (17)	11.3 ± 1.3 (17)	10.5 ± 1.5 (18)	9.6 ± 0.9 (18)	14.3 ± 3.4 (18)	12.8 ± 1.1 (17)
maxo3hc_nox	1995	8.4 ± 1.2 (17)	8.0 ± 1.2 (17)	6.8 ± 0.9 (17)	8.6 ± 1.1 (17)	8.6 ± 1.4 (18)	7.4 ± 0.7 (18)	8.8 ± 1.3 (18)
maxo3hc_nox	1996	8.0 ± 0.6 (8)	7.3 ± 1.4 (8)	5.4 ± 0.6 (7)	5.9 ± 0.7 (8)	7.9 ± 2.0 (8)	12.3 ± 3.6 (7)	8.1 ± 1.2 (8)
maxo3hc_nox	1997	12.2 ± 1.6 (18)	10.5 ± 1.6 (18)	8.0 ± 0.5 (16)	7.7 ± 0.6 (17)	13.0 ± 2.6 (15)	13.0 ± 2.0 (17)	11.3 ± 1.4 (17)
maxo3hc_nox	1998	9.5 ± 1.6 (16)	16.9 ± 5.7 (17)	7.3 ± 0.8 (16)	6.9 ± 0.7 (17)	7.5 ± 0.9 (16)	8.0 ± 1.2 (17)	9.6 ± 1.1 (16)
maxo3hc_nox	81-84	7.0 ± 0.4 (66)	6.8 ± 0.3 (65)	6.4 ± 0.3 (64)	6.7 ± 0.3 (68)	5.9 ± 0.4 (66)	6.5 ± 0.3 (68)	7.4 ± 0.4 (67)
maxo3hc_nox	84-89	5.7 ± 0.3 (85)	5.7 ± 0.4 (83)	5.8 ± 0.3 (84)	5.5 ± 0.2 (86)	6.0 ± 0.2 (83)	5.8 ± 0.3 (85)	5.6 ± 0.3 (87)
maxo3hc_nox	90-94	10.8 ± 0.8 (76)	8.6 ± 0.4 (77)	9.2 ± 0.6 (75)	9.4 ± 0.7 (78)	8.9 ± 0.5 (75)	10.1 ± 1.1 (76)	9.1 ± 0.5 (74)
maxo3hc_nox	95-98	9.8 ± 0.8 (59)	11.2 ± 1.8 (60)	7.1 ± 0.4 (56)	7.5 ± 0.4 (59)	9.3 ± 0.9 (57)	9.7 ± 0.9 (59)	9.6 ± 0.7 (59)
tno=03	1981	7.2 ± 0.4 (12)	8.9 ± 0.9 (7)	9.2 ± 0.6 (8)	9.6 ± 0.3 (10)	9.1 ± 0.5 (8)	9.7 ± 0.4 (10)	8.2 ± 0.3 (13)
tno=03	1982	7.3 ± 0.4 (14)	10.1 ± 0.4 (10)	8.8 ± 1.3 (4)	10.5 ± 0.3 (10)	10.3 ± 0.5 (5)	9.4 ± 0.6 (9)	9.6 ± 0.4 (15)
tno=03	1983	7.6 ± 0.6 (11)	9.9 ± 0.5 (11)	9.9 ± 0.6 (8)	9.6 ± 0.3 (12)	10.5 ± 0.4 (10)	9.9 ± 0.3 (12)	8.5 ± 0.3 (15)
tno=03	1984	7.2 ± 0.3 (14)	9.0 ± 0.5 (10)	9.0 ± 0.4 (8)	9.3 ± 0.4 (11)	8.4 ± 0.6 (11)	9.7 ± 0.5 (13)	8.0 ± 0.4 (13)
tno=03	1985	7.8 ± 0.4 (14)	9.5 ± 0.6 (14)	10.0 ± 0.4 (7)	10.0 ± 0.4 (14)	10.6 ± 0.4 (10)	9.9 ± 0.6 (10)	8.7 ± 0.3 (18)
tno=03	1986	8.3 ± 0.6 (12)	9.5 ± 0.5 (13)	9.9 ± 0.5 (8)	10.5 ± 0.5 (11)	10.0 ± 0.4 (9)	10.2 ± 0.4 (11)	7.7 ± 0.4 (16)
tno=03	1987	8.0 ± 0.4 (12)	9.7 ± 0.7 (11)	10.7 ± 0.6 (8)	9.9 ± 0.4 (12)	9.4 ± 0.6 (11)	9.7 ± 0.4 (12)	8.1 ± 0.3 (8)
tno=03	1988	7.3 ± 0.4 (12)	9.0 ± 0.4 (9)	9.4 ± 0.5 (10)	9.8 ± 0.4 (16)	9.3 ± 0.4 (14)	9.5 ± 0.4 (14)	8.5 ± 0.6 (11)
tno=03	1989	7.8 ± 0.2 (7)	9.3 ± 0.3 (12)	9.6 ± 0.4 (13)	8.5 ± 0.5 (10)	9.2 ± 0.5 (15)	9.6 ± 0.5 (14)	8.4 ± 0.4 (12)
tno=03	1990	6.8 ± 0.3 (13)	10.3 ± 0.4 (10)	9.4 ± 0.5 (8)	9.2 ± 0.6 (10)	10.3 ± 0.6 (11)	9.7 ± 0.5 (12)	8.4 ± 0.3 (16)
tno=03	1991	7.8 ± 0.4 (11)	10.1 ± 0.6 (13)	9.8 ± 0.7 (11)	9.2 ± 0.7 (9)	9.5 ± 0.4 (12)	9.8 ± 0.6 (13)	9.5 ± 0.4 (14)
tno=03	1992	7.1 ± 0.6 (8)	9.5 ± 0.3 (14)	8.8 ± 0.5 (15)	8.5 ± 0.4 (15)	9.0 ± 0.4 (14)	9.0 ± 0.5 (12)	7.9 ± 0.3 (13)
tno=03	1993	8.9 ± 0.4 (5)	8.9 ± 0.5 (13)	10.6 ± 0.3 (10)	9.6 ± 0.6 (11)	9.1 ± 0.6 (11)	8.9 ± 0.3 (14)	7.8 ± 0.3 (10)
tno=03	1994	7.1 ± 0.4 (5)	9.3 ± 0.5 (13)	9.0 ± 0.6 (12)	8.9 ± 0.5 (14)	9.4 ± 0.5 (12)	9.0 ± 0.4 (13)	7.5 ± 0.3 (10)
tno=03	1995	7.7 ± 0.6 (10)	9.1 ± 0.4 (14)	8.9 ± 0.5 (12)	8.9 ± 0.5 (13)	9.6 ± 0.4 (14)	9.6 ± 0.4 (16)	8.9 ± 0.4 (11)
tno=03	1996	7.4 ± 1.6 (2)	9.7 ± 0.3 (6)	9.4 ± 1.0 (4)	8.7 ± 0.7 (5)	8.7 ± 0.6 (5)	11.2 ± 0.1 (3)	9.9 ± 0.3 (2)
tno=03	1997	7.0 ± 0.5 (7)	9.8 ± 0.4 (12)	9.6 ± 0.6 (11)	10.1 ± 0.4 (10)	9.4 ± 0.5 (9)	10.1 ± 0.7 (8)	8.7 ± 0.9 (6)
tno=03	1998	7.2 ± 0.6 (7)	8.6 ± 0.4 (14)	8.9 ± 0.5 (13)	9.4 ± 0.5 (14)	9.9 ± 0.7 (9)	8.9 ± 0.5 (13)	9.5 ± 0.2 (7)
tno=03	81-84	7.3 ± 0.2 (51)	9.5 ± 0.3 (38)	9.3 ± 0.3 (28)	9.8 ± 0.2 (43)	9.5 ± 0.3 (34)	9.7 ± 0.2 (44)	8.6 ± 0.2 (56)
tno=03	84-89	7.8 ± 0.2 (57)	9.4 ± 0.2 (59)	9.9 ± 0.2 (46)	9.8 ± 0.2 (63)	9.6 ± 0.2 (59)	9.8 ± 0.2 (61)	8.3 ± 0.2 (65)
tno=03	90-94	7.4 ± 0.2 (42)	9.6 ± 0.2 (63)	9.4 ± 0.2 (56)	9.0 ± 0.2 (59)	9.4 ± 0.2 (60)	9.3 ± 0.2 (64)	8.3 ± 0.2 (63)
tno=03	95-98	7.3 ± 0.3 (26)	9.2 ± 0.2 (46)	9.2 ± 0.3 (40)	9.3 ± 0.3 (42)	9.5 ± 0.3 (37)	9.6 ± 0.3 (40)	9.1 ± 0.3 (26)
to3max	1981	13.3 ± 0.7 (17)	12.1 ± 1.0 (14)	11.4 ± 1.3 (16)	11.3 ± 1.1 (16)	12.7 ± 0.4 (17)	11.9 ± 0.7 (17)	12.5 ± 0.4 (15)
to3max	1982	11.8 ± 0.5 (15)	13.2 ± 1.1 (11)	13.4 ± 0.6 (15)	12.9 ± 1.0 (13)	12.6 ± 0.6 (16)	14.0 ± 1.0 (13)	13.3 ± 0.6 (14)
to3max	1983	11.6 ± 0.5 (14)	13.3 ± 0.8 (12)	13.4 ± 0.6 (14)	12.4 ± 0.5 (15)	12.0 ± 0.6 (13)	12.3 ± 0.5 (15)	12.0 ± 0.5 (16)
to3max	1984	12.4 ± 0.7 (12)	11.8 ± 0.7 (13)	12.6 ± 0.6 (14)	12.6 ± 0.6 (14)	12.7 ± 1.0 (14)	12.8 ± 0.4 (17)	13.1 ± 0.7 (15)
to3max	1985	11.8 ± 0.7 (18)	12.6 ± 0.4 (14)	12.6 ± 0.5 (14)	12.8 ± 0.6 (13)	12.3 ± 0.5 (14)	12.9 ± 0.4 (13)	12.6 ± 0.4 (16)
to3max	1986	12.8 ± 0.6 (17)	12.1 ± 0.6 (16)	12.9 ± 0.7 (14)	13.1 ± 0.4 (16)	13.1 ± 0.5 (16)	12.9 ± 0.6 (15)	12.9 ± 0.5 (16)
to3max	1987	12.3 ± 0.6 (14)	11.5 ± 1.0 (14)	13.5 ± 0.6 (13)	12.4 ± 0.3 (14)	14.4 ± 0.7 (12)	13.5 ± 0.9 (13)	11.3 ± 1.0 (12)
to3max	1988	11.6 ± 0.4 (13)	12.4 ± 0.6 (12)	12.5 ± 0.4 (13)	12.7 ± 0.8 (17)	12.6 ± 0.8 (14)	13.0 ± 0.6 (15)	13.1 ± 0.7 (15)
to3max	1989	11.6 ± 0.5 (16)	12.6 ± 1.0 (16)	13.1 ± 1.2 (16)	12.4 ± 0.5 (14)	13.5 ± 0.8 (14)	11.8 ± 1.1 (13)	13.4 ± 0.9 (15)
to3max	1990	11.2 ± 0.5 (14)	12.8 ± 0.5 (12)	12.3 ± 0.5 (13)	12.5 ± 0.6 (11)	12.7 ± 0.5 (13)	11.3 ± 1.3 (15)	12.7 ± 0.4 (15)
to3max	1991	12.9 ± 0.5 (16)	13.1 ± 1.4 (11)	13.8 ± 1.0 (11)	15.2 ± 1.2 (13)	13.6 ± 0.6 (12)	12.4 ± 0.5 (8)	12.6 ± 0.6 (12)
to3max	1992	12.3 ± 0.6 (17)	12.4 ± 0.5 (15)	13.0 ± 0.7 (16)	12.8 ± 0.4 (17)	13.5 ± 0.4 (14)	12.6 ± 0.5 (14)	13.0 ± 0.4 (15)
to3max	1993	11.5 ± 1.1 (12)	11.5 ± 1.0 (13)	14.0 ± 0.6 (14)	13.4 ± 0.4 (15)	13.2 ± 0.6 (15)	12.3 ± 0.9 (15)	11.5 ± 0.8 (15)
to3max	1994	12.7 ± 0.4 (17)	13.8 ± 0.6 (17)	14.3 ± 0.5 (15)	14.1 ± 0.5 (15)	13.7 ± 0.4 (17)	14.0 ± 0.5 (16)	13.1 ± 0.5 (16)
to3max	1995	13.4 ± 0.4 (16)	12.7 ± 0.5 (15)	14.1 ± 0.7 (16)	13.0 ± 0.4 (15)	14.0 ± 0.5 (15)	13.2 ± 0.5 (16)	13.2 ± 0.3 (17)
to3max	1996	12.1 ± 0.7 (8)	13.6 ± 0.8 (7)	13.6 ± 1.3 (7)	14.3 ± 3.1 (6)	15.0 ± 1.5 (8)	14.0 ± 2.5 (6)	13.4 ± 0.4 (8)
to3max	1997	13.8 ± 0.6 (17)	13.3 ± 0.3 (16)	14.1 ± 0.4 (17)	13.6 ± 0.7 (16)	15.1 ± 0.8 (14)	13.5 ± 0.7 (10)	14.4 ± 0.6 (14)
to3max	1998	13.3 ± 0.4 (15)	14.8 ± 0.6 (13)	13.6 ± 0.7 (15)	12.3 ± 0.8 (18)	15.1 ± 0.6 (16)	13.9 ± 0.4 (13)	13.6 ± 0.7 (16)
to3max	81-84	12.3 ± 0.3 (58)	12.6 ± 0.4 (50)	12.7 ± 0.4 (59)	12.3 ± 0.4 (58)	12.5 ± 0.3 (60)	12.7 ± 0.3 (62)	12.7 ± 0.3 (60)
to3max	84-89	12.0 ± 0.3 (78)	12.3 ± 0.3 (72)	12.9 ± 0.3 (70)	12.7 ± 0.3 (74)	13.2 ± 0.3 (70)	12.8 ± 0.3 (69)	12.7 ± 0.3 (74)
to3max	90-94	12.2 ± 0.3 (76)	12.8 ± 0.4 (68)	13.5 ± 0.3 (69)	13.6 ± 0.3 (71)	13.4 ± 0.2 (71)	12.5 ± 0.4 (68)	12.6 ± 0.2 (73)
to3max	95-98	13.3 ± 0.3 (56)	13.5 ± 0.3 (51)	13.9 ± 0.3 (55)	13.1 ± 0.5 (55)	14.8 ± 0.4 (53)	13.6 ± 0.4 (45)	13.6 ± 0.3 (55)
to3acc	1981	6.5 ± 1.0 (12)	4.2 ± 2.0 (5)	3.5 ± 0.8 (7)	3.1 ± 0.6 (10)	3.9 ± 0.4 (8)	3.0 ± 0.5 (10)	3.7 ± 0.4 (12)
to3acc	1982	4.1 ± 0.6 (13)	3.5 ± 2.0 (7)	3.5 ± 1.9 (4)	1.5 ± 0.3 (9)	1.7 ± 0.5 (5)	4.0 ± 1.4 (8)	3.3 ± 0.6 (13)
to3acc	1983	4.7 ± 1.0 (10)	3.3 ± 1.0 (9)	3.4 ± 1.0 (6)	2.3 ± 0.5 (10)	1.3 ± 0.3 (10)	2.4 ± 0.4 (12)	3.6 ± 0.6 (14)
to3acc	1984	4.7 ± 0.8 (10)	3.6 ± 0.6 (8)	3.3 ± 1.2 (7)	2.6 ± 0.4 (10)	3.0 ± 1.2 (10)	3.1 ± 0.7 (13)	4.6 ± 0.8 (12)
to3acc	1985	3.6 ± 0.9 (14)	2.7 ± 0.6 (12)	2.0 ± 0.3 (7)	2.5 ± 0.6 (11)	2.5 ± 0.4 (10)	2.7 ± 0.5 (9)	4.1 ± 0.5 (16)
to3acc	1986	4.7 ± 1.0 (12)	2.2 ± 0.6 (13)	3.1 ± 1.0 (8)	2.1 ± 0.5 (11)	2.0 ± 0.3 (9)	2.2 ± 0.8 (11)	5.2 ± 0.7 (15)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameter by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
to3acc	1987	4.4 ± 0.5 (11)	3.5 ± 1.1 (8)	2.5 ± 0.7 (6)	2.8 ± 0.7 (11)	4.6 ± 1.1 (10)	3.6 ± 1.2 (11)	4.0 ± 0.8 (8)
to3acc	1988	4.1 ± 0.5 (11)	2.7 ± 0.9 (7)	2.8 ± 0.9 (8)	2.4 ± 0.6 (15)	3.1 ± 0.9 (11)	3.5 ± 0.6 (13)	4.6 ± 1.1 (11)
to3acc	1989	3.2 ± 0.5 (7)	3.2 ± 1.5 (11)	2.2 ± 1.3 (12)	3.5 ± 0.8 (10)	4.0 ± 1.2 (12)	2.9 ± 0.6 (12)	5.1 ± 1.5 (11)
to3acc	1990	4.0 ± 0.4 (12)	2.6 ± 0.6 (10)	1.3 ± 0.4 (6)	2.7 ± 0.7 (8)	2.2 ± 0.6 (10)	2.5 ± 0.9 (11)	4.2 ± 0.5 (14)
to3acc	1991	4.3 ± 0.6 (10)	2.5 ± 0.7 (9)	3.4 ± 1.3 (7)	4.2 ± 1.8 (8)	3.7 ± 0.8 (10)	3.5 ± 1.1 (7)	3.2 ± 0.8 (10)
to3acc	1992	4.2 ± 1.0 (8)	2.7 ± 0.4 (12)	3.6 ± 0.8 (13)	3.9 ± 0.5 (15)	4.0 ± 0.9 (12)	2.9 ± 0.5 (10)	5.1 ± 0.6 (12)
to3acc	1993	3.6 ± 1.0 (3)	2.6 ± 1.5 (9)	2.2 ± 0.2 (10)	4.5 ± 0.7 (9)	4.1 ± 1.0 (9)	4.0 ± 0.7 (13)	3.9 ± 0.5 (8)
to3acc	1994	5.7 ± 1.0 (5)	4.2 ± 0.6 (13)	5.0 ± 0.8 (11)	4.9 ± 0.8 (13)	3.9 ± 0.7 (12)	4.6 ± 0.6 (12)	5.3 ± 0.5 (10)
to3acc	1995	6.0 ± 0.9 (10)	4.0 ± 0.6 (13)	4.8 ± 0.9 (12)	3.6 ± 0.6 (12)	3.9 ± 0.7 (12)	3.2 ± 0.4 (15)	4.0 ± 0.4 (11)
to3acc	1996	5.1 ± 1.1 (2)	4.0 ± 0.9 (6)	2.9 ± 1.5 (4)	8.1 ± 2.1 (4)	5.7 ± 1.5 (5)	4.8 ± 0.7 (3)	3.1 ± 0.7 (2)
to3acc	1997	6.7 ± 0.7 (7)	3.4 ± 0.4 (12)	4.2 ± 0.8 (11)	2.5 ± 0.6 (9)	3.4 ± 1.5 (9)	2.9 ± 0.7 (4)	6.8 ± 1.8 (6)
to3acc	1998	6.0 ± 0.8 (7)	6.0 ± 0.8 (12)	4.9 ± 0.7 (11)	2.5 ± 0.7 (14)	6.0 ± 1.5 (8)	4.9 ± 0.7 (12)	3.9 ± 0.5 (7)
to3acc	81-84	5.0 ± 0.4 (45)	3.6 ± 0.6 (29)	3.4 ± 0.5 (24)	2.4 ± 0.3 (39)	2.5 ± 0.4 (33)	3.1 ± 0.4 (43)	3.8 ± 0.3 (51)
to3acc	84-89	4.0 ± 0.3 (55)	2.8 ± 0.4 (51)	2.5 ± 0.5 (41)	2.6 ± 0.3 (58)	3.3 ± 0.4 (52)	3.0 ± 0.3 (56)	4.6 ± 0.4 (61)
to3acc	90-94	4.3 ± 0.3 (38)	3.0 ± 0.3 (53)	3.3 ± 0.4 (47)	4.1 ± 0.4 (53)	3.6 ± 0.4 (53)	3.6 ± 0.3 (53)	4.4 ± 0.3 (54)
to3acc	95-98	6.1 ± 0.5 (26)	4.4 ± 0.4 (43)	4.4 ± 0.4 (38)	3.4 ± 0.5 (39)	4.5 ± 0.6 (34)	3.9 ± 0.4 (34)	4.6 ± 0.5 (26)
o3rate	1981	9.0 ± 1.3 (12)	10.4 ± 5.6 (5)	13.4 ± 3.0 (7)	28.2 ± 12.8 (10)	16.8 ± 4.4 (8)	17.4 ± 4.0 (10)	13.6 ± 2.3 (12)
o3rate	1982	7.2 ± 1.5 (13)	11.4 ± 3.1 (7)	12.3 ± 4.9 (4)	26.0 ± 6.1 (8)	30.8 ± 6.4 (5)	26.9 ± 10.5 (8)	10.7 ± 2.2 (13)
o3rate	1983	28.8 ± 11.1 (9)	21.3 ± 5.0 (9)	18.6 ± 5.7 (5)	16.1 ± 3.0 (10)	18.7 ± 3.6 (10)	14.1 ± 2.3 (12)	19.5 ± 6.1 (14)
o3rate	1984	20.1 ± 8.1 (10)	16.5 ± 5.4 (8)	13.1 ± 4.5 (7)	22.6 ± 6.3 (10)	24.3 ± 4.9 (10)	16.1 ± 2.0 (13)	15.1 ± 3.4 (12)
o3rate	1985	13.3 ± 3.8 (14)	14.1 ± 2.9 (12)	10.9 ± 1.6 (7)	9.9 ± 1.2 (11)	20.3 ± 4.3 (10)	16.4 ± 3.1 (9)	13.9 ± 2.4 (16)
o3rate	1986	12.1 ± 2.6 (12)	20.1 ± 6.8 (13)	13.8 ± 2.6 (8)	15.3 ± 2.5 (11)	19.3 ± 2.8 (8)	14.9 ± 4.2 (11)	9.5 ± 1.6 (15)
o3rate	1987	10.4 ± 1.4 (11)	11.5 ± 2.6 (8)	11.5 ± 1.5 (6)	11.5 ± 2.0 (11)	7.3 ± 1.3 (10)	9.0 ± 1.6 (11)	14.6 ± 5.4 (8)
o3rate	1988	13.0 ± 2.6 (11)	12.6 ± 2.5 (7)	17.8 ± 5.0 (8)	9.6 ± 2.4 (15)	12.7 ± 3.2 (11)	9.9 ± 1.4 (13)	11.2 ± 4.9 (11)
o3rate	1989	21.0 ± 7.3 (7)	7.8 ± 2.5 (11)	10.3 ± 3.8 (12)	6.8 ± 0.6 (10)	14.5 ± 5.1 (12)	15.4 ± 2.6 (12)	10.2 ± 2.4 (10)
o3rate	1990	10.7 ± 2.2 (12)	10.2 ± 1.5 (10)	12.2 ± 1.5 (5)	8.5 ± 2.3 (8)	11.0 ± 1.5 (10)	10.3 ± 3.3 (11)	7.9 ± 1.4 (14)
o3rate	1991	10.1 ± 2.3 (10)	9.0 ± 1.5 (9)	15.9 ± 4.5 (7)	10.3 ± 2.9 (8)	7.4 ± 1.6 (9)	16.0 ± 5.8 (7)	12.7 ± 2.5 (10)
o3rate	1992	15.0 ± 3.0 (8)	12.0 ± 2.1 (12)	11.2 ± 1.8 (13)	12.2 ± 2.6 (15)	15.3 ± 2.9 (12)	12.2 ± 2.4 (10)	11.0 ± 1.9 (12)
o3rate	1993	23.7 ± 14.4 (3)	6.8 ± 1.8 (9)	12.7 ± 2.2 (10)	10.7 ± 2.9 (9)	9.4 ± 2.7 (9)	8.8 ± 1.5 (13)	10.4 ± 1.9 (8)
o3rate	1994	15.4 ± 4.6 (5)	7.2 ± 1.2 (13)	8.8 ± 1.4 (11)	9.2 ± 1.9 (13)	10.8 ± 2.6 (12)	9.2 ± 2.0 (12)	9.1 ± 1.3 (10)
o3rate	1995	8.8 ± 1.1 (10)	9.0 ± 1.9 (13)	8.0 ± 2.1 (12)	12.4 ± 2.7 (12)	9.6 ± 1.3 (12)	9.7 ± 1.3 (15)	13.0 ± 2.1 (11)
o3rate	1996	10.0 ± 3.0 (2)	10.3 ± 3.6 (6)	7.8 ± 2.8 (4)	2.0 ± 0.4 (4)	5.2 ± 1.2 (5)	4.0 ± 1.5 (3)	20.5 ± 5.5 (2)
o3rate	1997	6.1 ± 0.7 (7)	7.3 ± 1.3 (12)	7.8 ± 1.2 (11)	10.2 ± 1.9 (9)	9.6 ± 2.9 (9)	9.5 ± 5.5 (4)	5.3 ± 1.1 (6)
o3rate	1998	8.9 ± 2.1 (7)	7.2 ± 1.9 (12)	10.6 ± 3.1 (11)	7.4 ± 1.3 (14)	7.1 ± 1.9 (8)	9.3 ± 2.2 (12)	12.9 ± 1.3 (7)
o3rate	81-84	15.0 ± 3.1 (44)	15.7 ± 2.5 (29)	14.3 ± 2.1 (23)	23.1 ± 4.0 (38)	21.8 ± 2.4 (33)	17.8 ± 2.3 (43)	14.8 ± 2.0 (51)
o3rate	84-89	13.4 ± 1.6 (55)	13.6 ± 2.0 (51)	12.7 ± 1.6 (41)	10.6 ± 0.9 (58)	14.6 ± 1.7 (51)	12.9 ± 1.2 (56)	11.8 ± 1.4 (60)
o3rate	90-94	13.1 ± 1.7 (38)	9.1 ± 0.8 (53)	11.8 ± 1.1 (46)	10.4 ± 1.1 (53)	11.1 ± 1.1 (52)	10.8 ± 1.3 (53)	10.1 ± 0.8 (54)
o3rate	95-98	8.2 ± 0.8 (26)	8.2 ± 1.0 (43)	8.7 ± 1.2 (38)	9.1 ± 1.1 (39)	8.4 ± 1.0 (34)	9.1 ± 1.1 (34)	11.8 ± 1.3 (26)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

o3max	1981	101 ± 9 (17)	82 ± 10 (18)	96 ± 14 (18)	91 ± 13 (18)	110 ± 11 (17)	103 ± 12 (17)	103 ± 9 (17)
o3max	1982	82 ± 10 (17)	70 ± 9 (17)	90 ± 13 (18)	83 ± 15 (17)	92 ± 13 (18)	78 ± 16 (17)	85 ± 13 (17)
o3max	1983	116 ± 18 (17)	94 ± 12 (17)	98 ± 13 (17)	90 ± 11 (18)	77 ± 10 (18)	101 ± 14 (18)	116 ± 15 (17)
o3max	1984	83 ± 9 (18)	92 ± 13 (17)	99 ± 15 (17)	94 ± 13 (17)	92 ± 10 (17)	92 ± 10 (18)	91 ± 11 (18)
o3max	1985	97 ± 14 (18)	74 ± 11 (18)	74 ± 8 (17)	79 ± 11 (17)	89 ± 13 (17)	98 ± 15 (17)	106 ± 15 (18)
o3max	1986	79 ± 8 (18)	78 ± 8 (18)	83 ± 10 (18)	78 ± 8 (17)	82 ± 9 (17)	83 ± 11 (17)	78 ± 8 (17)
o3max	1987	85 ± 7 (17)	84 ± 10 (18)	88 ± 11 (18)	89 ± 10 (18)	71 ± 6 (17)	72 ± 9 (17)	77 ± 9 (17)
o3max	1988	75 ± 7 (17)	67 ± 6 (17)	84 ± 10 (17)	72 ± 6 (18)	78 ± 8 (18)	81 ± 6 (18)	84 ± 13 (17)
o3max	1989	84 ± 12 (17)	68 ± 8 (17)	88 ± 13 (17)	76 ± 8 (17)	79 ± 11 (18)	74 ± 5 (18)	78 ± 9 (18)
o3max	1990	63 ± 9 (18)	66 ± 9 (17)	71 ± 11 (17)	52 ± 8 (17)	45 ± 5 (17)	51 ± 6 (18)	67 ± 9 (18)
o3max	1991	89 ± 10 (18)	63 ± 5 (18)	67 ± 9 (17)	66 ± 7 (17)	64 ± 6 (17)	72 ± 8 (17)	71 ± 6 (18)
o3max	1992	88 ± 11 (17)	71 ± 8 (18)	73 ± 8 (18)	84 ± 9 (18)	74 ± 10 (17)	63 ± 6 (17)	78 ± 10 (17)
o3max	1993	71 ± 9 (17)	58 ± 8 (17)	62 ± 5 (18)	67 ± 6 (18)	67 ± 6 (18)	71 ± 7 (17)	71 ± 6 (17)
o3max	1994	85 ± 10 (17)	60 ± 5 (17)	69 ± 7 (17)	67 ± 6 (18)	69 ± 6 (18)	70 ± 7 (18)	77 ± 6 (17)
o3max	1995	81 ± 6 (17)	65 ± 5 (17)	63 ± 5 (17)	65 ± 5 (17)	59 ± 5 (18)	68 ± 6 (18)	79 ± 6 (18)
o3max	1996	62 ± 6 (18)	51 ± 3 (17)	50 ± 3 (17)	50 ± 5 (17)	51 ± 4 (17)	49 ± 3 (17)	66 ± 6 (18)
o3max	1997	48 ± 4 (18)	41 ± 4 (18)	39 ± 3 (18)	42 ± 3 (17)	41 ± 5 (17)	36 ± 3 (17)	44 ± 4 (17)
o3max	1998	73 ± 5 (17)	57 ± 4 (18)	57 ± 4 (18)	53 ± 4 (18)	57 ± 4 (17)	59 ± 4 (17)	73 ± 8 (17)
o3max	81-84	95 ± 6 (69)	84 ± 6 (69)	95 ± 7 (70)	89 ± 6 (71)	92 ± 6 (70)	94 ± 6 (70)	99 ± 6 (69)
o3max	84-89	84 ± 4 (87)	75 ± 4 (88)	83 ± 5 (87)	79 ± 4 (87)	80 ± 4 (87)	81 ± 4 (87)	85 ± 5 (87)
o3max	90-94	79 ± 4 (87)	64 ± 3 (87)	68 ± 4 (87)	67 ± 3 (88)	64 ± 3 (87)	65 ± 3 (87)	73 ± 3 (87)
o3max	95-98	66 ± 3 (70)	53 ± 2 (70)	52 ± 2 (70)	52 ± 2 (69)	52 ± 2 (69)	53 ± 3 (69)	66 ± 3 (70)
34no2	1981	28 ± 3 (17)	26 ± 3 (18)	32 ± 4 (18)	28 ± 4 (18)	32 ± 4 (16)	34 ± 3 (17)	34 ± 4 (17)
34no2	1982	26 ± 3 (17)	24 ± 3 (17)	26 ± 3 (18)	27 ± 4 (18)	29 ± 3 (18)	29 ± 3 (17)	30 ± 4 (17)
34no2	1983	36 ± 5 (17)	31 ± 3 (17)	34 ± 3 (17)	25 ± 3 (18)	29 ± 3 (18)	33 ± 3 (18)	38 ± 5 (17)
34no2	1984	23 ± 3 (18)	24 ± 4 (17)	29 ± 3 (17)	31 ± 3 (17)	28 ± 3 (17)	23 ± 2 (18)	28 ± 4 (18)
34no2	1985	31 ± 3 (18)	22 ± 3 (18)	26 ± 4 (16)	27 ± 3 (17)	27 ± 3 (17)	34 ± 4 (17)	34 ± 4 (18)
34no2	1986	23 ± 3 (18)	28 ± 3 (18)	28 ± 3 (18)	28 ± 2 (17)	26 ± 3 (17)	26 ± 2 (17)	25 ± 3 (17)
34no2	1987	27 ± 3 (17)	28 ± 2 (18)	23 ± 3 (18)	27 ± 3 (18)	23 ± 3 (17)	28 ± 3 (16)	25 ± 4 (17)
34no2	1988	29 ± 5 (17)	29 ± 3 (17)	30 ± 4 (17)	30 ± 3 (18)	30 ± 3 (18)	31 ± 3 (18)	26 ± 3 (17)
34no2	1989	25 ± 3 (17)	27 ± 3 (17)	29 ± 3 (17)	26 ± 2 (17)	28 ± 4 (18)	27 ± 4 (18)	29 ± 3 (18)
34no2	1990	28 ± 3 (18)	26 ± 4 (17)	33 ± 3 (16)	26 ± 3 (15)	25 ± 2 (15)	26 ± 2 (16)	33 ± 3 (18)
34no2	1991	24 ± 3 (18)	24 ± 3 (18)	25 ± 3 (17)	24 ± 3 (17)	25 ± 3 (17)	24 ± 4 (17)	24 ± 3 (18)
34no2	1992	21 ± 3 (16)	23 ± 3 (18)	28 ± 3 (17)	30 ± 4 (17)	28 ± 4 (16)	24 ± 2 (16)	23 ± 4 (16)
34no2	1993	17 ± 4 (17)	18 ± 3 (17)	20 ± 2 (18)	23 ± 3 (18)	21 ± 3 (18)	19 ± 3 (17)	16 ± 2 (17)
34no2	1994	20 ± 4 (17)	23 ± 3 (17)	22 ± 3 (17)	24 ± 3 (18)	25 ± 3 (18)	27 ± 3 (18)	21 ± 3 (17)
34no2	1995	24 ± 3 (17)	22 ± 3 (17)	21 ± 3 (17)	22 ± 3 (17)	20 ± 3 (18)	24 ± 2 (18)	25 ± 3 (18)
34no2	1996	19 ± 4 (16)	16 ± 3 (14)	18 ± 3 (13)	19 ± 3 (16)	22 ± 3 (16)	17 ± 3 (16)	22 ± 3 (17)
34no2	1997	19 ± 2 (18)	22 ± 2 (18)	24 ± 3 (18)	26 ± 3 (17)	21 ± 3 (17)	20 ± 3 (17)	16 ± 2 (17)
34no2	1998	17 ± 2 (17)	20 ± 2 (18)	18 ± 2 (18)	16 ± 2 (18)	17 ± 3 (17)	21 ± 3 (17)	20 ± 3 (17)
34no2	81-84	28 ± 2 (69)	26 ± 2 (69)	30 ± 2 (70)	28 ± 2 (71)	29 ± 2 (69)	30 ± 2 (70)	32 ± 2 (69)
34no2	84-89	27 ± 2 (87)	27 ± 1 (88)	27 ± 1 (86)	28 ± 1 (87)	27 ± 1 (87)	29 ± 2 (86)	28 ± 2 (87)
34no2	90-94	22 ± 1 (86)	23 ± 1 (87)	25 ± 1 (85)	25 ± 1 (85)	24 ± 1 (84)	24 ± 1 (84)	24 ± 1 (86)
34no2	95-98	20 ± 1 (68)	20 ± 1 (67)	20 ± 1 (66)	21 ± 1 (68)	20 ± 1 (68)	20 ± 1 (68)	21 ± 1 (69)
34no	1981	13 ± 5 (17)	10 ± 4 (18)	19 ± 7 (18)	14 ± 6 (18)	11 ± 4 (16)	17 ± 8 (17)	18 ± 6 (17)
34no	1982	14 ± 5 (17)	12 ± 5 (17)	16 ± 5 (18)	13 ± 4 (18)	26 ± 9 (18)	12 ± 3 (17)	18 ± 4 (17)
34no	1983	16 ± 6 (17)	11 ± 4 (17)	10 ± 2 (17)	8 ± 2 (18)	16 ± 7 (18)	16 ± 6 (18)	18 ± 8 (17)
34no	1984	5 ± 2 (18)	6 ± 3 (17)	14 ± 4 (17)	17 ± 7 (17)	8 ± 3 (17)	5 ± 2 (18)	12 ± 4 (18)
34no	1985	12 ± 6 (18)	8 ± 5 (18)	9 ± 6 (16)	9 ± 4 (17)	14 ± 4 (17)	24 ± 7 (17)	17 ± 5 (18)
34no	1986	9 ± 4 (18)	11 ± 4 (18)	12 ± 5 (18)	8 ± 3 (17)	9 ± 3 (17)	7 ± 3 (17)	12 ± 3 (17)
34no	1987	16 ± 6 (17)	11 ± 3 (18)	12 ± 5 (18)	16 ± 7 (18)	7 ± 4 (17)	4 ± 2 (16)	5 ± 2 (17)
34no	1988	14 ± 9 (17)	7 ± 3 (17)	15 ± 4 (17)	16 ± 6 (18)	14 ± 6 (18)	12 ± 4 (18)	6 ± 2 (17)
34no	1989	9 ± 5 (17)	9 ± 3 (17)	19 ± 7 (17)	11 ± 4 (17)	14 ± 6 (18)	12 ± 5 (18)	7 ± 2 (18)
34no	1990	6 ± 2 (18)	14 ± 6 (17)	16 ± 5 (16)	10 ± 5 (15)	2 ± 1 (15)	5 ± 2 (16)	15 ± 4 (18)
34no	1991	6 ± 3 (18)	5 ± 2 (18)	2 ± 1 (17)	7 ± 3 (17)	8 ± 4 (17)	5 ± 2 (17)	5 ± 3 (18)
34no	1992	11 ± 6 (16)	16 ± 7 (18)	18 ± 5 (17)	21 ± 9 (17)	16 ± 6 (16)	11 ± 4 (16)	12 ± 5 (16)
34no	1993	6 ± 3 (17)	6 ± 6 (17)	8 ± 4 (18)	10 ± 4 (18)	3 ± 2 (18)	4 ± 3 (17)	12 ± 6 (17)
34no	1994	7 ± 3 (17)	6 ± 3 (17)	8 ± 4 (17)	20 ± 7 (18)	17 ± 6 (18)	18 ± 6 (18)	6 ± 3 (17)
34no	1995	10 ± 4 (17)	15 ± 4 (17)	14 ± 4 (17)	9 ± 3 (17)	9 ± 3 (18)	10 ± 3 (18)	17 ± 7 (18)
34no	1996	7 ± 2 (16)	9 ± 3 (14)	12 ± 3 (14)	11 ± 3 (16)	12 ± 4 (16)	11 ± 3 (16)	13 ± 4 (17)
34no	1997	11 ± 4 (18)	11 ± 3 (18)	15 ± 6 (18)	19 ± 6 (17)	9 ± 3 (17)	13 ± 5 (17)	11 ± 6 (17)
34no	1998	3 ± 2 (17)	4 ± 2 (18)	2 ± 1 (18)	1 ± 1 (18)	4 ± 2 (17)	8 ± 3 (17)	8 ± 5 (17)
34no	81-84	12 ± 2 (69)	10 ± 2 (69)	15 ± 2 (70)	13 ± 2 (71)	15 ± 3 (69)	12 ± 3 (70)	16 ± 3 (69)
34no	84-89	12 ± 3 (87)	9 ± 2 (88)	13 ± 2 (86)	12 ± 2 (87)	12 ± 2 (87)	12 ± 2 (86)	10 ± 2 (87)
34no	90-94	7 ± 2 (86)	9 ± 2 (87)	10 ± 2 (85)	14 ± 3 (85)	9 ± 2 (84)	9 ± 2 (84)	10 ± 2 (86)
34no	95-98	8 ± 2 (68)	10 ± 2 (67)	11 ± 2 (67)	10 ± 2 (68)	8 ± 2 (68)	10 ± 2 (68)	12 ± 3 (69)
34no2_nox	1981	0.83 ± 0.05 (17)	0.82 ± 0.05 (18)	0.79 ± 0.06 (18)	0.79 ± 0.06 (18)	0.81 ± 0.07 (16)	0.83 ± 0.06 (17)	0.77 ± 0.06 (17)
34no2_nox	1982	0.76 ± 0.08 (17)	0.79 ± 0.06 (17)	0.75 ± 0.06 (18)	0.77 ± 0.05 (18)	0.71 ± 0.07 (18)	0.77 ± 0.05 (17)	0.71 ± 0.05 (17)
34no2_nox	1983	0.81 ± 0.05 (17)	0.86 ± 0.05 (17)	0.81 ± 0.04 (17)	0.83 ± 0.05 (18)	0.80 ± 0.06 (18)	0.83 ± 0.05 (18)	0.82 ± 0.05 (17)
34no2_nox	1984	0.92 ± 0.03 (18)	0.91 ± 0.04 (17)	0.76 ± 0.05 (17)	0.80 ± 0.06 (17)	0.86 ± 0.04 (17)	0.91 ± 0.04 (18)	0.82 ± 0.05 (18)
34no2_nox	1985	0.87 ± 0.05 (18)	0.89 ± 0.05 (18)	0.89 ± 0.05 (16)	0.88 ± 0.05 (17)	0.75 ± 0.05 (17)	0.74 ± 0.06 (17)	0.75 ± 0.05 (18)
34no2_nox	1986	0.86 ± 0.05 (17)	0.83 ± 0.05 (18)	0.84 ± 0.05 (18)	0.83 ± 0.05 (17)	0.81 ± 0.04 (17)	0.85 ± 0.04 (17)	0.77 ± 0.06 (16)
34no2_nox	1987	0.80 ± 0.07 (17)	0.81 ± 0.05 (18)	0.84 ± 0.06 (18)	0.82 ± 0.06 (18)	0.87 ± 0.06 (17)	0.92 ± 0.04 (16)	0.90 ± 0.04 (16)
34no2_nox	1988	0.87 ± 0.05 (17)	0.89 ± 0.04 (17)	0.73 ± 0.05 (17)	0.80 ± 0.06 (18)	0.81 ± 0.05 (18)	0.82 ± 0.04 (18)	0.89 ± 0.05 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

34no2_nox	1989	0.87 ± 0.05 (17)	0.86 ± 0.05 (17)	0.75 ± 0.07 (17)	0.79 ± 0.06 (17)	0.83 ± 0.05 (18)	0.85 ± 0.05 (18)	0.88 ± 0.04 (18)
34no2_nox	1990	0.90 ± 0.04 (18)	0.83 ± 0.06 (17)	0.79 ± 0.06 (16)	0.86 ± 0.05 (15)	0.95 ± 0.03 (15)	0.90 ± 0.04 (16)	0.76 ± 0.04 (18)
34no2_nox	1991	0.90 ± 0.04 (18)	0.85 ± 0.06 (18)	0.97 ± 0.02 (17)	0.84 ± 0.05 (16)	0.87 ± 0.04 (17)	0.87 ± 0.06 (17)	0.91 ± 0.04 (18)
34no2_nox	1992	0.85 ± 0.06 (16)	0.72 ± 0.07 (18)	0.72 ± 0.06 (17)	0.75 ± 0.06 (17)	0.77 ± 0.06 (15)	0.76 ± 0.05 (16)	0.78 ± 0.08 (16)
34no2_nox	1993	0.87 ± 0.06 (13)	0.94 ± 0.04 (16)	0.88 ± 0.05 (18)	0.85 ± 0.05 (18)	0.94 ± 0.03 (18)	0.94 ± 0.04 (17)	0.84 ± 0.06 (17)
34no2_nox	1994	0.87 ± 0.04 (15)	0.85 ± 0.04 (17)	0.85 ± 0.04 (17)	0.75 ± 0.07 (14)	0.77 ± 0.06 (16)	0.86 ± 0.05 (13)	0.87 ± 0.05 (16)
34no2_nox	1995	0.82 ± 0.05 (15)	0.86 ± 0.04 (11)	0.81 ± 0.05 (12)	0.81 ± 0.06 (14)	0.85 ± 0.04 (14)	0.80 ± 0.04 (17)	0.86 ± 0.05 (14)
34no2_nox	1996	0.72 ± 0.03 (13)	0.71 ± 0.04 (12)	0.59 ± 0.07 (12)	0.69 ± 0.05 (12)	0.77 ± 0.03 (13)	0.67 ± 0.05 (13)	0.72 ± 0.03 (13)
34no2_nox	1997	0.76 ± 0.04 (18)	0.78 ± 0.04 (15)	0.77 ± 0.04 (15)	0.73 ± 0.05 (13)	0.77 ± 0.05 (17)	0.79 ± 0.03 (14)	0.82 ± 0.06 (16)
34no2_nox	1998	0.99 ± 0.00 (15)	0.92 ± 0.03 (17)	0.96 ± 0.02 (18)	0.96 ± 0.02 (18)	0.93 ± 0.04 (16)	0.85 ± 0.04 (15)	0.93 ± 0.04 (16)
34no2_nox	81-84	0.83 ± 0.03 (69)	0.84 ± 0.03 (69)	0.78 ± 0.03 (70)	0.80 ± 0.03 (71)	0.79 ± 0.03 (69)	0.83 ± 0.03 (70)	0.78 ± 0.03 (69)
34no2_nox	84-89	0.85 ± 0.02 (86)	0.85 ± 0.02 (88)	0.81 ± 0.02 (86)	0.82 ± 0.02 (87)	0.82 ± 0.02 (87)	0.84 ± 0.02 (86)	0.84 ± 0.02 (85)
34no2_nox	90-94	0.88 ± 0.02 (80)	0.84 ± 0.03 (86)	0.84 ± 0.02 (85)	0.81 ± 0.03 (80)	0.86 ± 0.02 (81)	0.87 ± 0.02 (79)	0.83 ± 0.02 (85)
34no2_nox	95-98	0.82 ± 0.02 (61)	0.82 ± 0.02 (55)	0.80 ± 0.03 (57)	0.81 ± 0.03 (57)	0.83 ± 0.02 (60)	0.78 ± 0.02 (59)	0.84 ± 0.02 (59)
34nmhc	1981	330 ± 42 (16)	297 ± 35 (17)	319 ± 47 (18)	319 ± 31 (18)	369 ± 41 (17)	387 ± 52 (17)	349 ± 38 (16)
34nmhc	1982	204 ± 50 (15)	204 ± 50 (15)	184 ± 43 (18)	218 ± 44 (18)	285 ± 60 (18)	172 ± 35 (17)	243 ± 46 (17)
34nmhc	1983	333 ± 65 (17)	226 ± 46 (17)	208 ± 38 (17)	150 ± 31 (18)	184 ± 43 (18)	234 ± 51 (18)	333 ± 88 (17)
34nmhc	1984	190 ± 36 (17)	196 ± 38 (16)	243 ± 53 (17)	279 ± 64 (17)	190 ± 36 (17)	184 ± 35 (18)	261 ± 53 (17)
34nmhc	1985	234 ± 51 (18)	167 ± 41 (18)	215 ± 62 (16)	172 ± 44 (17)	226 ± 46 (17)	297 ± 68 (17)	353 ± 60 (18)
34nmhc	1986	319 ± 53 (18)	234 ± 44 (18)	297 ± 51 (17)	279 ± 36 (17)	261 ± 46 (17)	226 ± 38 (17)	297 ± 51 (17)
34nmhc	1987	279 ± 64 (17)	218 ± 44 (18)	201 ± 50 (18)	234 ± 51 (18)	154 ± 42 (17)	154 ± 32 (17)	208 ± 53 (17)
34nmhc	1988	279 ± 90 (17)	190 ± 36 (17)	297 ± 44 (17)	218 ± 44 (18)	218 ± 51 (18)	251 ± 44 (18)	190 ± 36 (17)
34nmhc	1989	243 ± 53 (17)	261 ± 46 (17)	261 ± 59 (17)	190 ± 36 (17)	251 ± 71 (18)	218 ± 51 (18)	234 ± 44 (18)
34nmhc	1990	319 ± 39 (18)	315 ± 62 (17)	279 ± 45 (17)	279 ± 52 (17)	243 ± 38 (17)	251 ± 37 (18)	387 ± 35 (18)
34nmhc	1991	351 ± 36 (17)	243 ± 38 (17)	215 ± 39 (16)	279 ± 36 (17)	297 ± 51 (17)	261 ± 53 (17)	302 ± 41 (18)
34nmhc	1992	226 ± 46 (17)	201 ± 50 (18)	302 ± 54 (18)	353 ± 65 (18)	279 ± 52 (17)	226 ± 38 (17)	261 ± 53 (17)
34nmhc	1993	261 ± 53 (17)	208 ± 59 (17)	268 ± 44 (18)	268 ± 50 (18)	234 ± 37 (18)	208 ± 38 (17)	297 ± 63 (17)
34nmhc	1994	285 ± 37 (17)	258 ± 31 (17)	274 ± 37 (17)	313 ± 46 (18)	313 ± 44 (18)	345 ± 49 (18)	274 ± 30 (17)
34nmhc	1995	330 ± 35 (17)	296 ± 27 (17)	310 ± 36 (17)	294 ± 25 (17)	268 ± 28 (18)	307 ± 18 (18)	363 ± 46 (18)
34nmhc	1996	279 ± 36 (17)	237 ± 29 (15)	253 ± 21 (15)	263 ± 23 (17)	279 ± 26 (17)	256 ± 22 (17)	313 ± 31 (18)
34nmhc	1997	301 ± 33 (18)	270 ± 26 (18)	306 ± 41 (18)	324 ± 37 (17)	247 ± 20 (17)	285 ± 42 (17)	265 ± 35 (17)
34nmhc	1998	271 ± 25 (15)	257 ± 20 (15)	241 ± 18 (15)	234 ± 14 (17)	271 ± 18 (16)	297 ± 22 (16)	316 ± 39 (15)
34nmhc	81-84	265 ± 26 (65)	232 ± 21 (65)	239 ± 23 (70)	241 ± 23 (71)	256 ± 25 (70)	243 ± 24 (70)	296 ± 30 (67)
34nmhc	84-89	271 ± 28 (87)	214 ± 19 (88)	254 ± 24 (85)	219 ± 19 (87)	222 ± 23 (87)	229 ± 22 (87)	257 ± 23 (87)
34nmhc	90-94	289 ± 19 (86)	244 ± 22 (86)	269 ± 20 (86)	299 ± 23 (88)	273 ± 20 (87)	259 ± 20 (87)	305 ± 20 (87)
34nmhc	95-98	296 ± 16 (67)	266 ± 13 (65)	280 ± 16 (65)	279 ± 13 (68)	266 ± 12 (68)	287 ± 14 (68)	315 ± 19 (68)
67no	1981	7 ± 3 (17)	32 ± 13 (17)	58 ± 17 (18)	47 ± 14 (17)	39 ± 11 (14)	41 ± 11 (17)	22 ± 7 (17)
67no	1982	17 ± 4 (17)	42 ± 13 (17)	58 ± 16 (18)	46 ± 12 (18)	79 ± 19 (18)	43 ± 10 (17)	29 ± 9 (17)
67no	1983	16 ± 5 (17)	53 ± 14 (17)	69 ± 17 (16)	43 ± 10 (18)	48 ± 15 (18)	57 ± 12 (18)	37 ± 12 (17)
67no	1984	9 ± 3 (18)	31 ± 7 (17)	61 ± 14 (17)	53 ± 13 (17)	39 ± 9 (17)	39 ± 14 (18)	34 ± 11 (18)
67no	1985	16 ± 4 (18)	43 ± 13 (18)	60 ± 21 (16)	67 ± 18 (17)	37 ± 9 (17)	84 ± 25 (16)	42 ± 8 (18)
67no	1986	10 ± 4 (18)	46 ± 12 (18)	64 ± 21 (14)	46 ± 15 (16)	42 ± 10 (17)	49 ± 13 (17)	25 ± 8 (17)
67no	1987	14 ± 4 (17)	53 ± 18 (13)	49 ± 17 (16)	84 ± 22 (17)	34 ± 8 (15)	36 ± 9 (16)	23 ± 9 (17)
67no	1988	9 ± 2 (17)	42 ± 11 (16)	55 ± 15 (14)	57 ± 16 (18)	42 ± 13 (17)	48 ± 12 (17)	10 ± 3 (17)
67no	1989	10 ± 3 (17)	27 ± 7 (13)	73 ± 27 (12)	39 ± 11 (16)	58 ± 21 (18)	58 ± 21 (17)	27 ± 9 (18)
67no	1990	14 ± 5 (18)	45 ± 17 (16)	83 ± 20 (15)	54 ± 24 (15)	33 ± 7 (15)	25 ± 6 (17)	27 ± 6 (18)
67no	1991	11 ± 4 (18)	31 ± 10 (18)	30 ± 9 (16)	32 ± 9 (17)	29 ± 10 (17)	23 ± 6 (17)	13 ± 7 (18)
67no	1992	14 ± 5 (16)	49 ± 17 (17)	43 ± 7 (17)	69 ± 21 (17)	64 ± 19 (17)	36 ± 9 (16)	25 ± 8 (16)
67no	1993	6 ± 4 (17)	32 ± 14 (17)	37 ± 16 (18)	43 ± 16 (18)	32 ± 14 (18)	32 ± 10 (17)	25 ± 12 (17)
67no	1994	7 ± 3 (17)	42 ± 10 (16)	42 ± 15 (15)	63 ± 16 (18)	53 ± 15 (18)	45 ± 13 (18)	15 ± 4 (17)
67no	1995	11 ± 3 (17)	39 ± 12 (17)	46 ± 17 (17)	33 ± 10 (16)	34 ± 10 (18)	42 ± 12 (17)	31 ± 10 (18)
67no	1996	15 ± 4 (16)	27 ± 10 (14)	53 ± 15 (15)	30 ± 9 (16)	41 ± 12 (16)	34 ± 8 (17)	28 ± 7 (17)
67no	1997	11 ± 5 (18)	53 ± 16 (18)	58 ± 13 (18)	74 ± 21 (17)	36 ± 12 (16)	30 ± 11 (17)	23 ± 10 (17)
67no	1998	6 ± 2 (17)	35 ± 15 (18)	30 ± 10 (18)	27 ± 8 (18)	33 ± 9 (16)	35 ± 11 (17)	23 ± 8 (17)
67no	81-84	12 ± 2 (69)	40 ± 6 (68)	61 ± 8 (69)	47 ± 6 (70)	52 ± 8 (67)	45 ± 6 (70)	31 ± 5 (69)
67no	84-89	12 ± 2 (87)	42 ± 6 (78)	60 ± 9 (72)	59 ± 8 (84)	43 ± 6 (84)	55 ± 8 (83)	26 ± 4 (87)
67no	90-94	11 ± 2 (86)	40 ± 6 (84)	46 ± 6 (81)	52 ± 8 (85)	43 ± 6 (85)	32 ± 4 (85)	21 ± 3 (86)
67no	95-98	11 ± 2 (68)	39 ± 7 (67)	46 ± 7 (68)	41 ± 7 (67)	36 ± 5 (66)	35 ± 5 (68)	26 ± 4 (69)
67no2	1981	28 ± 2 (17)	40 ± 4 (17)	46 ± 5 (18)	42 ± 5 (18)	46 ± 6 (14)	45 ± 4 (17)	35 ± 4 (17)
67no2	1982	27 ± 4 (17)	35 ± 3 (17)	37 ± 3 (18)	39 ± 3 (18)	44 ± 5 (18)	39 ± 4 (17)	28 ± 4 (17)
67no2	1983	34 ± 6 (17)	44 ± 5 (17)	51 ± 5 (16)	42 ± 3 (18)	39 ± 2 (18)	44 ± 4 (18)	41 ± 4 (17)
67no2	1984	26 ± 3 (18)	38 ± 4 (17)	45 ± 4 (17)	40 ± 4 (17)	38 ± 4 (17)	36 ± 3 (18)	37 ± 4 (18)
67no2	1985	32 ± 4 (18)	39 ± 4 (18)	38 ± 3 (16)	42 ± 3 (17)	38 ± 3 (17)	47 ± 6 (16)	36 ± 5 (18)
67no2	1986	24 ± 3 (18)	39 ± 4 (18)	40 ± 3 (14)	41 ± 4 (16)	38 ± 4 (17)	38 ± 4 (17)	32 ± 3 (17)
67no2	1987	28 ± 3 (17)	43 ± 2 (13)	34 ± 3 (16)	44 ± 4 (17)	35 ± 3 (15)	34 ± 3 (16)	27 ± 4 (17)
67no2	1988	30 ± 4 (17)	38 ± 3 (16)	44 ± 3 (14)	41 ± 3 (18)	42 ± 3 (17)	45 ± 3 (17)	28 ± 2 (17)
67no2	1989	28 ± 3 (17)	37 ± 4 (13)	39 ± 5 (12)	36 ± 4 (16)	39 ± 4 (18)	39 ± 4 (17)	34 ± 4 (18)
67no2	1990	32 ± 3 (18)	39 ± 4 (16)	45 ± 4 (15)	41 ± 4 (15)	37 ± 2 (15)	39 ± 2 (17)	38 ± 3 (18)
67no2	1991	27 ± 2 (18)	34 ± 2 (18)	35 ± 3 (16)	35 ± 3 (17)	34 ± 3 (17)	39 ± 3 (17)	28 ± 3 (18)
67no2	1992	23 ± 4 (16)	34 ± 3 (17)	38 ± 3 (17)	39 ± 4 (17)	36 ± 3 (17)	31 ± 2 (16)	27 ± 3 (16)
67no2	1993	19 ± 3 (17)	25 ± 2 (17)	30 ± 4 (18)	30 ± 3 (18)	29 ± 3 (18)	31 ± 3 (17)	26 ± 2 (17)
67no2	1994	23 ± 4 (17)	29 ± 3 (16)	33 ± 3 (15)	34 ± 3 (18)	37 ± 3 (18)	36 ± 3 (18)	28 ± 3 (17)
67no2	1995	23 ± 2 (17)	32 ± 2 (17)	30 ± 4 (17)	34 ± 3 (16)	32 ± 2 (18)	35 ± 2 (17)	29 ± 3 (18)
67no2	1996	21 ± 4 (16)	27 ± 4 (14)	28 ± 3 (15)	30 ± 3 (16)	30 ± 3 (16)	30 ± 2 (17)	29 ± 3 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

67no2	1997	20 ± 2 (18)	30 ± 2 (18)	30 ± 2 (18)	36 ± 3 (17)	31 ± 3 (16)	31 ± 3 (17)	23 ± 2 (17)
67no2	1998	22 ± 2 (17)	31 ± 2 (18)	31 ± 2 (18)	32 ± 2 (18)	31 ± 2 (16)	32 ± 2 (17)	27 ± 2 (17)
67no2	81-84	29 ± 2 (69)	39 ± 2 (68)	45 ± 2 (69)	41 ± 2 (71)	41 ± 2 (67)	41 ± 2 (70)	35 ± 2 (69)
67no2	84-89	28 ± 2 (87)	39 ± 2 (78)	39 ± 2 (72)	41 ± 2 (84)	39 ± 2 (84)	41 ± 2 (83)	32 ± 2 (87)
67no2	90-94	25 ± 1 (86)	32 ± 1 (84)	36 ± 2 (81)	36 ± 2 (85)	35 ± 1 (85)	35 ± 1 (85)	30 ± 1 (86)
67no2	95-98	21 ± 1 (68)	30 ± 1 (67)	30 ± 1 (68)	33 ± 1 (67)	31 ± 1 (66)	32 ± 1 (68)	27 ± 1 (69)
67co	1981	0.6 ± 0.1 (17)	1.2 ± 0.2 (16)	1.7 ± 0.4 (18)	1.5 ± 0.3 (16)	1.7 ± 0.3 (16)	1.6 ± 0.3 (16)	1.0 ± 0.1 (17)
67co	1982	0.7 ± 0.2 (15)	1.1 ± 0.3 (15)	1.5 ± 0.4 (18)	1.3 ± 0.2 (18)	1.9 ± 0.5 (18)	1.2 ± 0.3 (17)	0.6 ± 0.2 (17)
67co	1983	0.6 ± 0.2 (17)	1.8 ± 0.4 (17)	1.9 ± 0.3 (17)	1.2 ± 0.2 (18)	1.3 ± 0.3 (18)	1.6 ± 0.3 (18)	1.2 ± 0.3 (17)
67co	1984	0.5 ± 0.2 (17)	1.4 ± 0.2 (16)	1.9 ± 0.4 (17)	1.9 ± 0.4 (17)	1.5 ± 0.2 (17)	1.4 ± 0.3 (18)	1.4 ± 0.3 (17)
67co	1985	0.8 ± 0.2 (18)	1.7 ± 0.3 (18)	1.7 ± 0.4 (17)	2.0 ± 0.4 (17)	1.2 ± 0.2 (17)	2.4 ± 0.5 (16)	1.2 ± 0.2 (18)
67co	1986	0.7 ± 0.2 (18)	1.8 ± 0.3 (18)	1.9 ± 0.3 (14)	1.7 ± 0.3 (16)	1.8 ± 0.3 (17)	1.6 ± 0.3 (17)	1.2 ± 0.2 (17)
67co	1987	0.5 ± 0.2 (17)	1.8 ± 0.4 (13)	1.9 ± 0.4 (16)	2.1 ± 0.4 (18)	1.3 ± 0.1 (17)	1.5 ± 0.2 (17)	0.8 ± 0.2 (17)
67co	1988	0.5 ± 0.2 (17)	1.4 ± 0.2 (16)	1.8 ± 0.3 (13)	1.8 ± 0.4 (18)	1.6 ± 0.2 (18)	1.6 ± 0.2 (18)	0.6 ± 0.1 (17)
67co	1989	0.6 ± 0.2 (17)	1.2 ± 0.2 (13)	2.0 ± 0.6 (12)	1.4 ± 0.2 (16)	2.1 ± 0.6 (18)	1.8 ± 0.5 (17)	1.1 ± 0.2 (18)
67co	1990	1.1 ± 0.2 (18)	1.9 ± 0.4 (15)	2.7 ± 0.5 (15)	2.2 ± 0.5 (16)	1.8 ± 0.3 (16)	1.5 ± 0.2 (18)	1.3 ± 0.1 (18)
67co	1991	0.9 ± 0.1 (17)	1.3 ± 0.1 (18)	1.3 ± 0.2 (16)	1.5 ± 0.2 (16)	1.5 ± 0.2 (17)	1.5 ± 0.2 (17)	1.1 ± 0.2 (17)
67co	1992	0.6 ± 0.2 (17)	1.6 ± 0.3 (18)	1.5 ± 0.2 (17)	2.0 ± 0.4 (18)	1.9 ± 0.3 (17)	1.3 ± 0.2 (17)	0.9 ± 0.2 (17)
67co	1993	0.5 ± 0.2 (17)	1.2 ± 0.3 (17)	1.5 ± 0.3 (18)	1.4 ± 0.3 (18)	1.2 ± 0.3 (18)	1.3 ± 0.3 (17)	1.1 ± 0.2 (17)
67co	1994	0.7 ± 0.1 (17)	1.6 ± 0.2 (17)	1.4 ± 0.3 (17)	1.8 ± 0.3 (18)	1.6 ± 0.3 (18)	1.6 ± 0.3 (18)	1.0 ± 0.1 (17)
67co	1995	0.8 ± 0.1 (17)	1.5 ± 0.2 (17)	1.6 ± 0.3 (17)	1.4 ± 0.2 (17)	1.3 ± 0.2 (18)	1.6 ± 0.2 (18)	1.3 ± 0.2 (18)
67co	1996	0.8 ± 0.1 (17)	1.0 ± 0.2 (15)	1.3 ± 0.2 (17)	1.3 ± 0.2 (17)	1.4 ± 0.2 (17)	1.2 ± 0.1 (17)	1.1 ± 0.1 (18)
67co	1997	0.7 ± 0.1 (18)	1.5 ± 0.3 (18)	1.5 ± 0.2 (18)	1.9 ± 0.4 (17)	1.1 ± 0.2 (17)	1.1 ± 0.2 (17)	0.9 ± 0.2 (17)
67co	1998	0.8 ± 0.1 (15)	1.3 ± 0.2 (15)	1.2 ± 0.2 (15)	1.2 ± 0.1 (17)	1.3 ± 0.1 (15)	1.2 ± 0.2 (16)	1.1 ± 0.2 (15)
67co	81-84	0.6 ± 0.1 (66)	1.4 ± 0.2 (64)	1.7 ± 0.2 (70)	1.5 ± 0.1 (69)	1.6 ± 0.2 (69)	1.4 ± 0.1 (69)	1.0 ± 0.1 (68)
67co	84-89	0.6 ± 0.1 (87)	1.6 ± 0.1 (78)	1.9 ± 0.2 (72)	1.8 ± 0.2 (85)	1.6 ± 0.1 (87)	1.8 ± 0.2 (85)	1.0 ± 0.1 (87)
67co	90-94	0.8 ± 0.1 (86)	1.5 ± 0.1 (85)	1.7 ± 0.1 (83)	1.8 ± 0.2 (86)	1.6 ± 0.1 (86)	1.4 ± 0.1 (87)	1.1 ± 0.1 (86)
67co	95-98	0.8 ± 0.1 (67)	1.3 ± 0.1 (65)	1.4 ± 0.1 (67)	1.4 ± 0.1 (68)	1.3 ± 0.1 (67)	1.3 ± 0.1 (68)	1.1 ± 0.1 (68)
67nmhc	1981	279 ± 36 (17)	444 ± 75 (16)	591 ± 116 (18)	540 ± 79 (16)	597 ± 91 (16)	578 ± 78 (16)	387 ± 37 (17)
67nmhc	1982	285 ± 57 (15)	428 ± 98 (15)	540 ± 119 (18)	489 ± 65 (18)	675 ± 143 (18)	441 ± 84 (17)	279 ± 74 (17)
67nmhc	1983	279 ± 58 (17)	639 ± 115 (17)	656 ± 101 (17)	455 ± 58 (18)	489 ± 85 (18)	557 ± 86 (18)	441 ± 88 (17)
67nmhc	1984	243 ± 46 (17)	502 ± 68 (16)	656 ± 117 (17)	656 ± 111 (17)	531 ± 70 (17)	506 ± 96 (18)	495 ± 98 (17)
67nmhc	1985	319 ± 58 (18)	591 ± 99 (18)	603 ± 113 (17)	692 ± 108 (17)	459 ± 72 (17)	826 ± 147 (16)	455 ± 76 (18)
67nmhc	1986	302 ± 48 (18)	642 ± 96 (18)	671 ± 87 (14)	597 ± 99 (16)	621 ± 76 (17)	585 ± 83 (17)	441 ± 54 (17)
67nmhc	1987	243 ± 53 (17)	622 ± 121 (13)	654 ± 127 (16)	726 ± 121 (18)	477 ± 44 (17)	531 ± 46 (17)	333 ± 54 (17)
67nmhc	1988	243 ± 46 (17)	521 ± 62 (16)	645 ± 97 (13)	642 ± 122 (18)	557 ± 71 (18)	574 ± 66 (18)	261 ± 38 (17)
67nmhc	1989	279 ± 52 (17)	434 ± 58 (13)	692 ± 176 (12)	521 ± 68 (16)	726 ± 169 (18)	639 ± 139 (17)	404 ± 67 (18)
67nmhc	1990	421 ± 49 (18)	652 ± 119 (15)	916 ± 141 (15)	750 ± 148 (16)	635 ± 85 (16)	540 ± 57 (18)	489 ± 35 (18)
67nmhc	1991	369 ± 32 (17)	489 ± 43 (18)	483 ± 54 (16)	540 ± 62 (16)	531 ± 65 (17)	531 ± 53 (17)	405 ± 49 (17)
67nmhc	1992	261 ± 59 (17)	574 ± 89 (18)	549 ± 53 (17)	692 ± 110 (18)	674 ± 96 (17)	477 ± 57 (17)	369 ± 61 (17)
67nmhc	1993	243 ± 59 (17)	459 ± 89 (17)	540 ± 105 (18)	523 ± 90 (18)	455 ± 84 (18)	477 ± 82 (17)	423 ± 69 (17)
67nmhc	1994	310 ± 43 (17)	565 ± 66 (17)	511 ± 79 (17)	621 ± 93 (18)	582 ± 84 (18)	555 ± 82 (18)	396 ± 40 (17)
67nmhc	1995	333 ± 28 (17)	525 ± 61 (17)	556 ± 81 (17)	497 ± 49 (17)	492 ± 63 (18)	567 ± 53 (18)	472 ± 58 (18)
67nmhc	1996	319 ± 42 (17)	387 ± 53 (15)	468 ± 63 (17)	466 ± 54 (17)	518 ± 61 (17)	463 ± 37 (17)	421 ± 44 (18)
67nmhc	1997	302 ± 37 (18)	531 ± 83 (18)	538 ± 71 (18)	649 ± 124 (17)	432 ± 60 (17)	409 ± 61 (17)	358 ± 54 (17)
67nmhc	1998	316 ± 33 (15)	487 ± 70 (15)	462 ± 47 (15)	434 ± 35 (17)	481 ± 44 (15)	460 ± 49 (16)	414 ± 52 (15)
67nmhc	81-84	271 ± 24 (66)	506 ± 46 (64)	610 ± 56 (70)	533 ± 40 (69)	573 ± 51 (69)	520 ± 43 (69)	401 ± 39 (68)
67nmhc	84-89	278 ± 23 (87)	567 ± 41 (78)	650 ± 53 (72)	639 ± 47 (85)	570 ± 44 (87)	628 ± 46 (85)	380 ± 27 (87)
67nmhc	90-94	322 ± 23 (86)	545 ± 37 (85)	593 ± 43 (83)	624 ± 46 (86)	573 ± 37 (86)	517 ± 30 (87)	417 ± 23 (86)
67nmhc	95-98	317 ± 18 (67)	486 ± 35 (65)	508 ± 34 (67)	511 ± 38 (68)	481 ± 29 (67)	476 ± 26 (68)	417 ± 26 (68)
58hc_nox	1981	8.8 ± 1.4 (17)	6.8 ± 0.8 (16)	6.2 ± 0.5 (18)	7.5 ± 0.7 (17)	7.7 ± 0.6 (16)	7.8 ± 0.6 (17)	9.1 ± 1.3 (17)
58hc_nox	1982	6.0 ± 0.8 (15)	6.2 ± 0.7 (14)	5.9 ± 0.5 (18)	6.0 ± 0.3 (18)	5.6 ± 0.4 (18)	5.8 ± 0.5 (17)	5.5 ± 0.8 (17)
58hc_nox	1983	6.2 ± 0.6 (17)	6.8 ± 0.6 (17)	6.2 ± 0.5 (16)	5.9 ± 0.5 (18)	6.3 ± 0.3 (18)	6.0 ± 0.4 (18)	6.4 ± 0.6 (17)
58hc_nox	1984	7.9 ± 1.6 (17)	7.6 ± 0.5 (16)	6.9 ± 0.4 (17)	7.3 ± 0.6 (17)	7.8 ± 0.4 (17)	7.4 ± 0.5 (18)	7.9 ± 0.9 (17)
58hc_nox	1985	7.8 ± 1.6 (18)	7.8 ± 0.8 (18)	7.4 ± 0.6 (17)	6.6 ± 0.6 (17)	6.4 ± 0.6 (17)	6.7 ± 0.5 (17)	6.6 ± 0.7 (18)
58hc_nox	1986	10.0 ± 1.2 (18)	8.2 ± 0.5 (18)	7.8 ± 0.6 (17)	7.8 ± 0.5 (17)	8.0 ± 0.5 (17)	7.8 ± 0.6 (17)	9.2 ± 0.7 (17)
58hc_nox	1987	6.4 ± 0.7 (17)	6.8 ± 0.4 (18)	7.6 ± 0.5 (18)	6.5 ± 0.4 (17)	7.1 ± 0.4 (16)	7.3 ± 0.3 (16)	7.5 ± 0.9 (17)
58hc_nox	1988	6.6 ± 0.7 (17)	7.4 ± 0.5 (17)	6.6 ± 0.3 (16)	7.3 ± 0.4 (18)	7.2 ± 0.5 (17)	7.0 ± 0.5 (17)	7.9 ± 0.8 (17)
58hc_nox	1989	8.2 ± 1.0 (17)	7.2 ± 0.5 (17)	7.9 ± 0.4 (17)	7.5 ± 0.3 (17)	7.8 ± 0.4 (17)	7.8 ± 0.5 (18)	7.3 ± 0.7 (18)
58hc_nox	1990	11.4 ± 0.9 (18)	9.1 ± 0.7 (16)	7.5 ± 0.5 (14)	8.5 ± 0.7 (14)	8.8 ± 0.4 (14)	8.2 ± 0.4 (17)	9.0 ± 0.9 (18)
58hc_nox	1991	10.5 ± 1.0 (17)	9.0 ± 0.6 (18)	8.0 ± 0.4 (16)	8.6 ± 0.5 (16)	10.1 ± 1.0 (17)	9.3 ± 0.5 (17)	10.2 ± 0.7 (17)
58hc_nox	1992	7.6 ± 1.0 (16)	8.2 ± 0.6 (17)	7.9 ± 0.6 (17)	8.0 ± 0.5 (16)	8.3 ± 1.0 (17)	8.0 ± 0.6 (16)	7.6 ± 0.6 (16)
58hc_nox	1993	12.5 ± 1.7 (17)	9.8 ± 0.9 (17)	10.4 ± 1.2 (18)	8.3 ± 0.7 (18)	8.5 ± 0.7 (18)	8.5 ± 0.7 (17)	11.6 ± 1.3 (17)
58hc_nox	1994	13.3 ± 1.4 (17)	9.5 ± 1.3 (17)	8.4 ± 0.5 (16)	7.6 ± 0.5 (18)	7.7 ± 0.4 (18)	7.8 ± 0.3 (18)	10.5 ± 0.8 (17)
58hc_nox	1995	11.9 ± 1.0 (17)	9.0 ± 0.8 (17)	11.5 ± 2.1 (17)	8.6 ± 0.5 (16)	8.6 ± 0.6 (18)	8.3 ± 0.5 (18)	9.9 ± 0.8 (18)
58hc_nox	1996	17.2 ± 5.7 (16)	10.8 ± 1.7 (14)	8.4 ± 0.7 (16)	8.4 ± 0.6 (16)	8.9 ± 0.9 (16)	9.0 ± 0.9 (17)	9.7 ± 0.8 (17)
58hc_nox	1997	11.8 ± 0.8 (18)	7.9 ± 0.4 (18)	7.6 ± 0.5 (18)	7.0 ± 0.4 (17)	8.4 ± 0.6 (17)	8.2 ± 0.4 (17)	10.5 ± 0.7 (17)
58hc_nox	1998	13.8 ± 1.0 (15)	8.5 ± 0.5 (15)	8.7 ± 0.6 (15)	8.4 ± 0.6 (17)	8.6 ± 0.5 (16)	8.3 ± 0.5 (16)	10.5 ± 1.0 (15)
58hc_nox	81-84	7.3 ± 0.6 (66)	6.9 ± 0.3 (63)	6.3 ± 0.2 (69)	6.6 ± 0.3 (70)	6.8 ± 0.2 (69)	6.7 ± 0.3 (70)	7.2 ± 0.5 (68)
58hc_nox	84-89	7.8 ± 0.5 (87)	7.5 ± 0.3 (88)	7.5 ± 0.2 (85)	7.1 ± 0.2 (86)	7.3 ± 0.2 (84)	7.3 ± 0.2 (85)	7.7 ± 0.3 (87)
58hc_nox	90-94	11.1 ± 0.6 (85)	9.1 ± 0.4 (85)	8.5 ± 0.3 (81)	8.2 ± 0.3 (82)	8.6 ± 0.3 (84)	8.4 ± 0.2 (85)	9.8 ± 0.4 (85)
58hc_nox	95-98	13.6 ± 1.4 (66)	9.0 ± 0.5 (64)	9.0 ± 0.6 (66)	8.1 ± 0.3 (66)	8.6 ± 0.3 (67)	8.5 ± 0.3 (68)	10.1 ± 0.4 (67)
maxo3hc_nox	1981	8.3 ± 1.1 (17)	7.4 ± 0.9 (17)	7.9 ± 0.9 (18)	7.6 ± 0.8 (16)	8.4 ± 0.7 (15)	7.6 ± 0.8 (17)	8.8 ± 0.8 (17)
maxo3hc_nox	1982	7.9 ± 1.3 (15)	7.1 ± 0.8 (17)	6.3 ± 0.7 (18)	7.0 ± 0.8 (17)	8.4 ± 0.9 (18)	5.7 ± 0.8 (17)	7.7 ± 0.9 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

maxo3hc_nox	1983	7.9 ± 1.3 (17)	8.4 ± 1.0 (17)	7.9 ± 0.6 (17)	7.4 ± 0.7 (18)	6.7 ± 0.5 (17)	7.8 ± 0.8 (18)	8.2 ± 1.0 (17)
maxo3hc_nox	1984	11.9 ± 1.5 (17)	10.1 ± 1.1 (17)	8.8 ± 0.8 (17)	8.2 ± 0.9 (16)	10.7 ± 0.8 (17)	11.2 ± 1.1 (17)	12.5 ± 2.0 (17)
maxo3hc_nox	1985	8.7 ± 1.2 (17)	10.3 ± 1.4 (16)	10.9 ± 0.9 (16)	7.8 ± 1.1 (17)	7.1 ± 0.9 (17)	6.9 ± 1.0 (16)	8.5 ± 1.0 (18)
maxo3hc_nox	1986	15.2 ± 1.8 (18)	10.4 ± 0.8 (17)	9.9 ± 0.6 (17)	8.9 ± 1.2 (16)	10.5 ± 0.9 (16)	10.6 ± 0.9 (16)	13.9 ± 1.9 (17)
maxo3hc_nox	1987	11.3 ± 1.4 (17)	7.9 ± 0.8 (18)	7.2 ± 0.9 (18)	8.4 ± 0.6 (18)	8.1 ± 0.9 (16)	8.8 ± 0.8 (17)	9.9 ± 1.3 (16)
maxo3hc_nox	1988	10.4 ± 1.2 (17)	7.4 ± 1.0 (17)	8.4 ± 0.7 (16)	7.4 ± 0.7 (18)	8.6 ± 0.4 (18)	9.0 ± 0.4 (17)	10.2 ± 1.1 (17)
maxo3hc_nox	1989	9.4 ± 1.4 (17)	9.0 ± 0.8 (16)	9.5 ± 0.8 (17)	9.0 ± 0.7 (17)	7.9 ± 0.9 (17)	9.1 ± 0.7 (18)	10.8 ± 0.9 (18)
maxo3hc_nox	1990	13.4 ± 1.1 (18)	9.4 ± 1.0 (15)	9.8 ± 0.8 (16)	10.5 ± 0.8 (15)	11.2 ± 0.8 (14)	9.9 ± 0.6 (18)	12.7 ± 1.0 (18)
maxo3hc_nox	1991	12.0 ± 1.1 (17)	11.0 ± 1.0 (18)	11.5 ± 0.6 (15)	11.8 ± 0.9 (17)	10.2 ± 0.8 (17)	11.2 ± 0.8 (16)	12.2 ± 0.8 (17)
maxo3hc_nox	1992	12.7 ± 1.5 (16)	9.5 ± 1.0 (17)	8.5 ± 0.9 (16)	12.3 ± 2.0 (17)	10.8 ± 1.3 (17)	9.7 ± 1.5 (16)	10.8 ± 1.2 (16)
maxo3hc_nox	1993	16.7 ± 2.3 (17)	13.1 ± 2.4 (16)	11.3 ± 1.3 (17)	11.1 ± 1.1 (17)	12.4 ± 1.4 (18)	13.7 ± 1.3 (17)	15.1 ± 1.8 (17)
maxo3hc_nox	1994	15.3 ± 1.1 (17)	11.5 ± 1.1 (17)	11.9 ± 2.0 (17)	10.4 ± 1.2 (18)	10.5 ± 0.5 (18)	11.7 ± 0.5 (18)	14.0 ± 0.7 (17)
maxo3hc_nox	1995	13.5 ± 0.7 (17)	12.5 ± 0.8 (17)	11.7 ± 0.8 (16)	21.8 ± 8.7 (17)	12.3 ± 1.7 (18)	11.9 ± 0.7 (18)	14.2 ± 1.2 (18)
maxo3hc_nox	1996	27.3 ± 13.8 (16)	15.7 ± 5.2 (15)	29.0 ± 17.8 (16)	11.3 ± 0.7 (16)	18.0 ± 7.7 (16)	12.5 ± 1.9 (17)	12.6 ± 1.0 (17)
maxo3hc_nox	1997	13.9 ± 0.6 (18)	10.9 ± 0.5 (18)	10.0 ± 0.6 (17)	10.5 ± 0.7 (17)	10.5 ± 1.2 (17)	12.6 ± 1.1 (17)	12.8 ± 1.0 (17)
maxo3hc_nox	1998	17.9 ± 1.4 (15)	13.4 ± 1.3 (15)	13.8 ± 1.7 (16)	13.4 ± 0.5 (17)	13.8 ± 2.2 (16)	13.8 ± 1.5 (16)	15.4 ± 0.9 (15)
maxo3hc_nox	81-84	9.0 ± 0.7 (66)	8.2 ± 0.5 (68)	7.7 ± 0.4 (70)	7.5 ± 0.4 (67)	8.5 ± 0.4 (67)	8.1 ± 0.5 (69)	9.3 ± 0.7 (68)
maxo3hc_nox	84-89	11.0 ± 0.7 (86)	9.0 ± 0.4 (84)	9.1 ± 0.4 (84)	8.3 ± 0.4 (86)	8.5 ± 0.4 (84)	8.9 ± 0.4 (84)	10.6 ± 0.6 (86)
maxo3hc_nox	90-94	14.0 ± 0.7 (85)	10.9 ± 0.6 (83)	10.6 ± 0.6 (81)	11.2 ± 0.6 (84)	11.0 ± 0.5 (84)	11.2 ± 0.5 (85)	13.0 ± 0.5 (85)
maxo3hc_nox	95-98	18.0 ± 3.4 (66)	13.0 ± 1.2 (65)	16.0 ± 4.4 (65)	14.3 ± 2.2 (67)	13.6 ± 2.0 (67)	12.7 ± 0.7 (68)	13.7 ± 0.5 (67)
tmo=03	1981	7.6 ± 0.3 (5)	7.8 ± 0.5 (8)	8.3 ± 0.2 (13)	8.2 ± 0.2 (12)	8.3 ± 0.5 (8)	7.7 ± 0.3 (5)	7.4 ± 0.4 (12)
tmo=03	1982	7.0 ± 0.3 (12)	7.7 ± 0.3 (15)	7.9 ± 0.5 (9)	8.3 ± 0.2 (15)	8.1 ± 0.2 (15)	8.4 ± 0.3 (14)	7.4 ± 0.4 (15)
tmo=03	1983	7.1 ± 0.2 (10)	7.7 ± 0.5 (14)	7.9 ± 0.3 (8)	8.1 ± 0.2 (14)	8.2 ± 0.3 (12)	8.4 ± 0.3 (14)	7.9 ± 0.3 (11)
tmo=03	1984	6.8 ± 0.3 (11)	7.8 ± 0.2 (13)	8.0 ± 0.3 (7)	8.2 ± 0.2 (13)	7.5 ± 0.3 (12)	7.8 ± 0.2 (15)	7.4 ± 0.2 (13)
tmo=03	1985	6.6 ± 0.3 (14)	7.7 ± 0.2 (13)	8.0 ± 0.2 (12)	7.9 ± 0.2 (15)	8.1 ± 0.3 (13)	8.2 ± 0.3 (14)	7.3 ± 0.2 (16)
tmo=03	1986	6.8 ± 0.3 (7)	7.4 ± 0.3 (12)	7.9 ± 0.3 (12)	7.8 ± 0.3 (13)	7.3 ± 0.3 (14)	8.0 ± 0.1 (11)	7.1 ± 0.3 (13)
tmo=03	1987	6.6 ± 0.3 (10)	7.9 ± 0.3 (10)	8.2 ± 0.2 (11)	8.3 ± 0.3 (15)	8.1 ± 0.3 (13)	7.9 ± 0.3 (16)	6.4 ± 0.4 (11)
tmo=03	1988	7.0 ± 0.3 (9)	8.1 ± 0.2 (10)	8.0 ± 0.2 (11)	8.2 ± 0.3 (14)	8.4 ± 0.2 (13)	8.1 ± 0.2 (13)	6.8 ± 0.3 (10)
tmo=03	1989	6.7 ± 0.4 (8)	7.4 ± 0.3 (9)	8.1 ± 0.2 (11)	7.5 ± 0.3 (15)	7.9 ± 0.3 (13)	8.4 ± 0.2 (13)	7.7 ± 0.3 (11)
tmo=03	1990	7.4 ± 0.2 (14)	8.4 ± 0.3 (12)	8.7 ± 0.3 (11)	8.7 ± 0.4 (15)	8.3 ± 0.4 (12)	8.4 ± 0.2 (14)	7.8 ± 0.2 (16)
tmo=03	1991	7.8 ± 0.3 (11)	7.7 ± 0.5 (12)	8.1 ± 0.3 (13)	9.0 ± 0.4 (11)	8.5 ± 0.4 (14)	8.1 ± 0.3 (14)	8.0 ± 0.3 (11)
tmo=03	1992	7.2 ± 0.3 (7)	7.8 ± 0.3 (13)	8.1 ± 0.3 (15)	8.2 ± 0.3 (12)	8.1 ± 0.2 (13)	7.8 ± 0.3 (16)	7.8 ± 0.3 (10)
tmo=03	1993	7.5 ± 0.6 (5)	8.2 ± 0.2 (12)	8.2 ± 0.3 (14)	8.1 ± 0.4 (13)	7.8 ± 0.3 (13)	7.9 ± 0.2 (15)	7.8 ± 0.4 (9)
tmo=03	1994	6.8 ± 0.5 (5)	8.1 ± 0.4 (12)	8.0 ± 0.4 (9)	8.1 ± 0.3 (15)	8.8 ± 0.3 (13)	8.3 ± 0.3 (15)	7.3 ± 0.5 (8)
tmo=03	1995	7.6 ± 0.6 (7)	8.0 ± 0.3 (13)	8.8 ± 0.2 (12)	8.0 ± 0.3 (15)	8.4 ± 0.3 (14)	8.3 ± 0.3 (14)	7.9 ± 0.3 (10)
tmo=03	1996	8.0 ± 0.4 (6)	8.5 ± 0.2 (10)	8.4 ± 0.3 (13)	8.9 ± 0.3 (13)	8.5 ± 0.3 (14)	8.9 ± 0.4 (10)	7.9 ± 0.4 (10)
tmo=03	1997	7.8 ± 0.5 (7)	8.9 ± 0.3 (13)	9.0 ± 0.4 (13)	9.0 ± 0.2 (14)	9.0 ± 0.2 (12)	8.0 ± 0.5 (7)	8.5 ± 0.4 (6)
tmo=03	1998	6.9 ± 0.7 (2)	8.4 ± 0.1 (9)	8.4 ± 0.5 (11)	8.1 ± 0.4 (12)	9.0 ± 0.2 (9)	7.9 ± 0.3 (11)	7.6 ± 0.4 (8)
tmo=03	81-84	7.0 ± 0.2 (38)	7.7 ± 0.2 (50)	8.1 ± 0.2 (37)	8.2 ± 0.1 (54)	8.0 ± 0.1 (47)	8.1 ± 0.1 (48)	7.5 ± 0.2 (51)
tmo=03	84-89	6.7 ± 0.1 (48)	7.7 ± 0.1 (54)	8.0 ± 0.1 (57)	7.9 ± 0.1 (72)	7.9 ± 0.1 (66)	8.1 ± 0.1 (67)	7.1 ± 0.1 (61)
tmo=03	90-94	7.4 ± 0.1 (42)	8.0 ± 0.2 (61)	8.2 ± 0.1 (62)	8.4 ± 0.2 (66)	8.3 ± 0.2 (65)	8.1 ± 0.1 (74)	7.8 ± 0.1 (54)
tmo=03	95-98	7.7 ± 0.3 (22)	8.5 ± 0.2 (45)	8.7 ± 0.2 (49)	8.5 ± 0.2 (54)	8.7 ± 0.1 (49)	8.3 ± 0.2 (42)	7.9 ± 0.2 (34)
to3max	1981	11.8 ± 0.4 (17)	11.0 ± 0.8 (17)	11.7 ± 0.4 (16)	11.3 ± 0.8 (18)	12.8 ± 0.5 (17)	12.2 ± 0.5 (17)	11.8 ± 0.4 (17)
to3max	1982	11.9 ± 0.3 (16)	11.8 ± 0.4 (17)	12.6 ± 0.3 (16)	12.1 ± 0.4 (17)	12.6 ± 0.4 (17)	11.7 ± 0.5 (16)	12.9 ± 0.4 (16)
to3max	1983	12.2 ± 0.4 (17)	11.6 ± 0.3 (17)	12.3 ± 0.6 (17)	11.6 ± 0.4 (17)	12.2 ± 0.5 (16)	12.7 ± 0.3 (17)	12.3 ± 0.4 (16)
to3max	1984	11.7 ± 0.5 (17)	11.8 ± 0.3 (17)	10.7 ± 0.9 (15)	11.3 ± 0.8 (17)	11.6 ± 0.8 (17)	12.3 ± 0.4 (18)	10.8 ± 0.2 (18)
to3max	1985	12.4 ± 0.5 (17)	11.5 ± 0.4 (18)	11.9 ± 0.4 (16)	12.1 ± 0.4 (16)	12.3 ± 0.5 (16)	11.7 ± 0.3 (17)	12.3 ± 0.4 (18)
to3max	1986	12.1 ± 0.4 (17)	11.9 ± 0.4 (18)	10.9 ± 0.7 (18)	12.6 ± 0.6 (17)	11.9 ± 0.4 (17)	11.8 ± 0.5 (17)	11.5 ± 0.4 (17)
to3max	1987	11.5 ± 0.3 (17)	12.1 ± 0.4 (18)	12.5 ± 0.4 (18)	12.8 ± 0.4 (16)	11.8 ± 0.4 (15)	12.3 ± 0.5 (16)	11.4 ± 0.2 (16)
to3max	1988	11.6 ± 0.4 (16)	11.9 ± 0.3 (16)	12.2 ± 0.3 (17)	12.0 ± 0.3 (18)	12.2 ± 0.4 (18)	12.1 ± 0.4 (18)	11.9 ± 0.4 (17)
to3max	1989	11.6 ± 0.4 (17)	11.2 ± 0.4 (17)	12.1 ± 0.2 (17)	12.2 ± 0.4 (17)	11.1 ± 0.8 (18)	12.1 ± 0.4 (17)	12.3 ± 0.4 (16)
to3max	1990	10.8 ± 0.6 (18)	12.4 ± 0.4 (17)	11.7 ± 0.8 (15)	12.1 ± 0.4 (16)	12.4 ± 0.4 (17)	12.4 ± 0.4 (16)	12.3 ± 0.4 (18)
to3max	1991	11.9 ± 0.3 (18)	12.1 ± 0.4 (16)	11.8 ± 0.8 (17)	12.2 ± 0.3 (17)	12.8 ± 0.3 (16)	12.5 ± 0.5 (15)	12.8 ± 0.4 (18)
to3max	1992	11.3 ± 0.4 (17)	12.3 ± 0.5 (18)	12.5 ± 0.3 (18)	11.5 ± 0.7 (18)	12.2 ± 0.4 (15)	11.9 ± 0.8 (17)	11.8 ± 0.4 (16)
to3max	1993	11.6 ± 0.4 (15)	12.4 ± 0.3 (15)	11.9 ± 0.3 (18)	12.5 ± 0.4 (17)	12.3 ± 0.4 (18)	12.7 ± 0.3 (16)	10.9 ± 0.8 (17)
to3max	1994	12.8 ± 0.4 (17)	12.7 ± 0.4 (17)	12.9 ± 0.3 (16)	12.8 ± 0.4 (18)	12.3 ± 0.3 (18)	12.5 ± 0.3 (18)	12.3 ± 0.3 (17)
to3max	1995	13.6 ± 0.3 (17)	12.9 ± 0.3 (17)	13.1 ± 0.4 (17)	13.1 ± 0.3 (17)	13.5 ± 0.3 (16)	13.7 ± 0.4 (18)	13.7 ± 0.3 (18)
to3max	1996	12.4 ± 0.3 (18)	13.2 ± 0.3 (17)	12.9 ± 0.3 (17)	12.8 ± 0.4 (17)	13.1 ± 0.7 (17)	13.1 ± 0.3 (17)	12.6 ± 0.2 (18)
to3max	1997	12.3 ± 0.4 (18)	13.7 ± 0.4 (18)	13.3 ± 0.4 (18)	12.9 ± 0.3 (16)	13.7 ± 0.7 (15)	12.5 ± 0.4 (15)	13.3 ± 0.4 (17)
to3max	1998	13.2 ± 0.3 (16)	13.1 ± 0.3 (17)	13.1 ± 0.3 (17)	12.8 ± 0.3 (18)	13.3 ± 0.3 (16)	13.1 ± 0.3 (15)	13.0 ± 0.4 (17)
to3max	81-84	11.9 ± 0.2 (67)	11.5 ± 0.3 (68)	11.9 ± 0.3 (64)	11.6 ± 0.3 (69)	12.3 ± 0.3 (67)	12.2 ± 0.2 (68)	11.9 ± 0.2 (67)
to3max	84-89	11.8 ± 0.2 (84)	11.7 ± 0.2 (87)	11.9 ± 0.2 (86)	12.3 ± 0.2 (84)	11.9 ± 0.2 (84)	12.0 ± 0.2 (85)	11.9 ± 0.2 (84)
to3max	90-94	11.7 ± 0.2 (85)	12.4 ± 0.2 (83)	12.2 ± 0.2 (84)	12.2 ± 0.2 (86)	12.4 ± 0.2 (84)	12.4 ± 0.2 (82)	12.0 ± 0.2 (86)
to3max	95-98	12.9 ± 0.2 (69)	13.2 ± 0.2 (69)	13.1 ± 0.2 (69)	12.9 ± 0.2 (68)	13.4 ± 0.3 (64)	13.1 ± 0.2 (65)	13.1 ± 0.2 (70)
to3acc	1981	3.3 ± 1.1 (5)	4.2 ± 1.0 (7)	3.3 ± 0.5 (12)	3.2 ± 1.1 (12)	5.1 ± 0.9 (8)	5.1 ± 0.7 (5)	4.5 ± 0.5 (12)
to3acc	1982	5.0 ± 0.6 (12)	4.1 ± 0.4 (15)	4.5 ± 1.0 (8)	3.8 ± 0.5 (15)	4.4 ± 0.5 (15)	3.4 ± 0.6 (13)	5.5 ± 0.5 (15)
to3acc	1983	5.8 ± 0.7 (10)	4.2 ± 0.7 (14)	4.6 ± 0.7 (8)	3.7 ± 0.5 (14)	4.4 ± 0.5 (11)	4.7 ± 0.5 (13)	4.6 ± 0.6 (11)
to3acc	1984	5.7 ± 0.6 (10)	3.8 ± 0.3 (13)	1.6 ± 1.5 (7)	2.9 ± 1.0 (13)	4.7 ± 0.5 (12)	4.7 ± 0.4 (15)	3.6 ± 0.4 (13)
to3acc	1985	5.7 ± 0.7 (14)	3.9 ± 0.5 (13)	4.1 ± 0.6 (11)	4.1 ± 0.5 (15)	4.3 ± 0.5 (13)	3.5 ± 0.4 (14)	5.0 ± 0.4 (16)
to3acc	1986	6.0 ± 0.7 (7)	4.3 ± 0.5 (12)	2.7 ± 1.1 (12)	4.2 ± 0.5 (13)	4.4 ± 0.5 (14)	4.3 ± 0.6 (11)	4.6 ± 0.6 (13)
to3acc	1987	4.8 ± 0.6 (10)	4.2 ± 0.6 (10)	4.6 ± 0.7 (11)	4.5 ± 0.5 (14)	3.7 ± 0.4 (12)	4.6 ± 0.6 (15)	5.0 ± 0.4 (11)
to3acc	1988	4.8 ± 0.6 (9)	4.0 ± 0.4 (9)	4.4 ± 0.6 (11)	3.9 ± 0.4 (14)	4.3 ± 0.5 (13)	3.8 ± 0.3 (13)	5.3 ± 0.5 (10)
to3acc	1989	5.3 ± 0.5 (8)	3.7 ± 0.5 (9)	3.8 ± 0.3 (11)	4.8 ± 0.6 (15)	3.7 ± 0.4 (13)	3.7 ± 0.5 (13)	4.4 ± 0.7 (11)
to3acc	1990	3.7 ± 0.4 (14)	4.3 ± 0.4 (12)	3.6 ± 0.5 (10)	3.2 ± 0.5 (14)	4.3 ± 0.7 (12)	3.8 ± 0.6 (12)	4.5 ± 0.5 (16)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

to3acc	1991	4.2 ± 0.3 (11)	4.2 ± 0.4 (11)	4.6 ± 0.5 (13)	3.8 ± 0.5 (11)	4.2 ± 0.5 (13)	4.0 ± 0.6 (12)	5.2 ± 0.5 (11)
to3acc	1992	4.9 ± 0.6 (7)	4.3 ± 0.5 (13)	4.5 ± 0.4 (15)	4.0 ± 0.4 (12)	4.4 ± 0.4 (13)	4.2 ± 0.8 (16)	3.9 ± 0.4 (10)
to3acc	1993	4.3 ± 0.4 (5)	4.1 ± 0.3 (11)	3.8 ± 0.4 (14)	4.7 ± 0.4 (12)	4.3 ± 0.5 (13)	4.6 ± 0.3 (14)	4.4 ± 0.4 (9)
to3acc	1994	6.6 ± 0.6 (5)	4.2 ± 0.5 (12)	5.2 ± 0.5 (9)	4.6 ± 0.5 (15)	3.7 ± 0.4 (13)	4.4 ± 0.4 (15)	5.3 ± 0.5 (8)
to3acc	1995	6.0 ± 0.8 (7)	5.0 ± 0.5 (13)	4.6 ± 0.4 (12)	5.0 ± 0.4 (15)	4.9 ± 0.4 (14)	5.2 ± 0.4 (14)	5.8 ± 0.4 (10)
to3acc	1996	4.3 ± 0.2 (6)	4.7 ± 0.5 (10)	4.6 ± 0.4 (13)	4.1 ± 0.3 (13)	4.6 ± 1.0 (14)	4.2 ± 0.4 (10)	5.0 ± 0.7 (10)
to3acc	1997	6.2 ± 0.7 (7)	5.0 ± 0.4 (13)	4.2 ± 0.6 (13)	3.9 ± 0.4 (14)	4.1 ± 0.5 (12)	4.0 ± 0.9 (7)	5.3 ± 1.0 (6)
to3acc	1998	6.1 ± 0.7 (2)	4.7 ± 0.5 (9)	5.0 ± 0.4 (11)	4.9 ± 0.5 (12)	4.7 ± 0.4 (9)	5.2 ± 0.4 (11)	5.9 ± 0.5 (8)
to3acc	81-84	5.2 ± 0.4 (37)	4.0 ± 0.3 (49)	3.5 ± 0.5 (35)	3.4 ± 0.4 (54)	4.6 ± 0.3 (46)	4.4 ± 0.3 (46)	4.6 ± 0.3 (51)
to3acc	84-89	5.3 ± 0.3 (48)	4.0 ± 0.2 (53)	3.9 ± 0.3 (56)	4.3 ± 0.2 (71)	4.1 ± 0.2 (65)	4.0 ± 0.2 (66)	4.9 ± 0.2 (61)
to3acc	90-94	4.5 ± 0.2 (42)	4.2 ± 0.2 (59)	4.3 ± 0.2 (61)	4.1 ± 0.2 (64)	4.2 ± 0.2 (64)	4.2 ± 0.3 (69)	4.6 ± 0.2 (54)
to3acc	95-98	5.6 ± 0.4 (22)	4.9 ± 0.2 (45)	4.6 ± 0.2 (49)	4.5 ± 0.2 (54)	4.6 ± 0.3 (49)	4.8 ± 0.3 (42)	5.5 ± 0.3 (34)
o3rate	1981	20.2 ± 4.6 (5)	18.4 ± 3.6 (7)	25.8 ± 5.1 (12)	18.0 ± 4.1 (12)	20.6 ± 3.6 (8)	16.8 ± 2.7 (5)	22.3 ± 3.0 (12)
o3rate	1982	15.4 ± 1.9 (12)	11.9 ± 1.8 (15)	14.8 ± 4.2 (8)	18.3 ± 4.6 (15)	17.5 ± 2.4 (15)	14.5 ± 2.6 (13)	14.7 ± 3.3 (15)
o3rate	1983	23.0 ± 4.5 (10)	21.8 ± 4.2 (14)	15.6 ± 2.2 (8)	20.8 ± 2.8 (14)	17.9 ± 3.6 (11)	21.1 ± 2.8 (13)	26.5 ± 5.1 (11)
o3rate	1984	15.4 ± 2.7 (10)	18.1 ± 3.4 (13)	16.6 ± 4.5 (7)	15.2 ± 3.1 (13)	16.4 ± 2.8 (12)	15.4 ± 2.1 (15)	24.3 ± 5.0 (13)
o3rate	1985	16.7 ± 2.5 (14)	15.3 ± 2.3 (13)	13.1 ± 2.7 (11)	13.5 ± 1.9 (15)	15.5 ± 2.4 (13)	22.9 ± 3.8 (14)	16.1 ± 2.4 (16)
o3rate	1986	12.7 ± 2.4 (7)	14.2 ± 2.0 (12)	15.0 ± 2.4 (12)	15.8 ± 2.3 (13)	12.9 ± 1.7 (14)	17.8 ± 2.4 (11)	14.1 ± 1.5 (13)
o3rate	1987	15.8 ± 1.3 (10)	14.9 ± 2.3 (10)	16.6 ± 4.1 (11)	16.4 ± 2.3 (14)	13.6 ± 2.3 (12)	12.5 ± 1.6 (15)	14.5 ± 3.0 (11)
o3rate	1988	13.9 ± 1.7 (9)	12.2 ± 2.9 (10)	13.6 ± 2.2 (11)	12.6 ± 2.3 (14)	14.3 ± 2.0 (13)	14.6 ± 1.8 (13)	15.0 ± 4.8 (10)
o3rate	1989	14.4 ± 4.3 (8)	13.6 ± 2.8 (9)	17.5 ± 3.8 (11)	11.9 ± 1.4 (15)	16.6 ± 3.4 (13)	15.2 ± 1.5 (13)	14.9 ± 2.5 (11)
o3rate	1990	13.4 ± 2.6 (14)	12.3 ± 2.2 (12)	14.4 ± 3.0 (10)	15.6 ± 4.9 (14)	7.0 ± 0.9 (12)	10.9 ± 1.6 (12)	12.5 ± 1.7 (16)
o3rate	1991	15.8 ± 2.7 (11)	11.8 ± 1.8 (11)	12.2 ± 2.4 (13)	12.4 ± 1.8 (11)	11.7 ± 1.3 (13)	14.4 ± 2.8 (12)	11.6 ± 1.8 (11)
o3rate	1992	18.1 ± 4.0 (7)	13.5 ± 2.3 (13)	13.9 ± 2.0 (15)	17.6 ± 3.2 (12)	15.1 ± 2.1 (13)	9.1 ± 1.5 (16)	18.5 ± 2.7 (10)
o3rate	1993	14.4 ± 3.5 (5)	10.3 ± 2.0 (11)	12.9 ± 1.9 (14)	12.0 ± 1.8 (12)	12.9 ± 1.9 (13)	12.4 ± 1.2 (14)	15.9 ± 2.6 (9)
o3rate	1994	16.6 ± 4.4 (5)	9.9 ± 1.6 (12)	11.8 ± 1.7 (9)	12.1 ± 1.4 (15)	14.6 ± 2.3 (13)	11.4 ± 1.6 (15)	13.9 ± 2.5 (8)
o3rate	1995	12.3 ± 2.6 (7)	10.0 ± 1.2 (13)	10.3 ± 1.5 (12)	10.3 ± 0.9 (15)	9.6 ± 1.5 (14)	9.1 ± 1.2 (14)	13.2 ± 1.4 (10)
o3rate	1996	16.0 ± 2.0 (6)	7.7 ± 0.8 (10)	8.1 ± 1.0 (13)	9.8 ± 1.9 (13)	9.4 ± 1.5 (14)	6.9 ± 0.8 (10)	12.2 ± 1.8 (10)
o3rate	1997	7.9 ± 1.3 (7)	6.8 ± 1.1 (13)	9.2 ± 1.8 (13)	7.1 ± 0.7 (14)	8.6 ± 1.4 (12)	6.4 ± 1.2 (7)	8.5 ± 1.6 (6)
o3rate	1998	10.0 ± 5.0 (2)	7.8 ± 1.0 (9)	8.6 ± 1.5 (11)	8.2 ± 1.2 (12)	9.9 ± 1.2 (9)	8.6 ± 1.0 (11)	12.6 ± 2.5 (8)
o3rate	81-84	18.1 ± 1.7 (37)	17.3 ± 1.7 (49)	19.1 ± 2.3 (35)	18.1 ± 1.8 (54)	17.8 ± 1.5 (46)	16.9 ± 1.3 (46)	21.5 ± 2.1 (51)
o3rate	84-89	15.0 ± 1.1 (48)	14.1 ± 1.1 (54)	15.2 ± 1.4 (56)	14.0 ± 0.9 (71)	14.6 ± 1.1 (65)	16.5 ± 1.1 (66)	15.0 ± 1.2 (61)
o3rate	90-94	15.3 ± 1.4 (42)	11.6 ± 0.9 (59)	13.1 ± 1.0 (61)	13.9 ± 1.3 (64)	12.3 ± 0.9 (64)	11.5 ± 0.8 (69)	14.2 ± 1.0 (54)
o3rate	95-98	11.7 ± 1.3 (22)	8.1 ± 0.6 (45)	9.0 ± 0.7 (49)	8.9 ± 0.6 (54)	9.3 ± 0.7 (49)	8.0 ± 0.6 (42)	11.9 ± 0.9 (34)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
o3max	1981	85 ± 8 (17)	63 ± 6 (18)	67 ± 9 (18)	83 ± 10 (18)	97 ± 10 (17)	87 ± 7 (17)	78 ± 6 (17)
o3max	1982	69 ± 8 (17)	59 ± 7 (17)	68 ± 8 (18)	60 ± 9 (18)	78 ± 13 (18)	74 ± 12 (17)	70 ± 7 (17)
o3max	1983	110 ± 12 (17)	101 ± 11 (17)	91 ± 9 (17)	81 ± 8 (18)	67 ± 6 (18)	83 ± 9 (18)	106 ± 14 (17)
o3max	1984	85 ± 11 (17)	78 ± 10 (16)	69 ± 9 (17)	82 ± 14 (17)	67 ± 7 (17)	82 ± 10 (18)	77 ± 11 (18)
o3max	1985	83 ± 10 (18)	68 ± 8 (18)	67 ± 8 (17)	69 ± 7 (17)	79 ± 12 (17)	77 ± 9 (17)	81 ± 9 (18)
o3max	1986	85 ± 8 (17)	69 ± 6 (18)	62 ± 6 (18)	71 ± 4 (17)	68 ± 6 (17)	66 ± 6 (17)	78 ± 7 (16)
o3max	1987	81 ± 8 (17)	71 ± 7 (18)	77 ± 9 (18)	66 ± 3 (18)	64 ± 6 (17)	66 ± 8 (17)	68 ± 5 (17)
o3max	1988	75 ± 11 (17)	56 ± 9 (17)	59 ± 4 (17)	57 ± 6 (18)	71 ± 7 (18)	67 ± 4 (18)	72 ± 8 (17)
o3max	1989	64 ± 8 (16)	54 ± 6 (16)	71 ± 9 (17)	70 ± 7 (17)	69 ± 6 (18)	69 ± 7 (18)	64 ± 8 (17)
o3max	1990	61 ± 7 (18)	52 ± 4 (17)	52 ± 5 (17)	48 ± 4 (17)	56 ± 4 (17)	51 ± 4 (18)	59 ± 6 (18)
o3max	1991	73 ± 6 (18)	52 ± 5 (18)	55 ± 5 (17)	51 ± 5 (17)	57 ± 7 (17)	62 ± 9 (17)	57 ± 5 (18)
o3max	1992	64 ± 6 (17)	52 ± 6 (18)	54 ± 5 (18)	53 ± 3 (18)	60 ± 3 (17)	49 ± 4 (17)	66 ± 7 (17)
o3max	1993	60 ± 7 (17)	47 ± 4 (17)	49 ± 5 (18)	53 ± 4 (18)	51 ± 4 (18)	52 ± 4 (17)	59 ± 6 (17)
o3max	1994	57 ± 4 (17)	37 ± 3 (17)	42 ± 3 (17)	38 ± 3 (18)	46 ± 4 (18)	45 ± 4 (18)	56 ± 4 (17)
o3max	1995	48 ± 3 (17)	45 ± 4 (17)	41 ± 3 (17)	43 ± 4 (17)	44 ± 3 (18)	45 ± 4 (18)	56 ± 4 (18)
o3max	1996	51 ± 4 (18)	41 ± 2 (18)	40 ± 2 (17)	43 ± 4 (17)	42 ± 3 (17)	40 ± 3 (17)	51 ± 3 (18)
o3max	1997	47 ± 3 (18)	38 ± 2 (18)	38 ± 2 (18)	37 ± 2 (17)	41 ± 4 (17)	37 ± 2 (17)	43 ± 4 (17)
o3max	1998	49 ± 4 (17)	35 ± 2 (18)	37 ± 3 (18)	34 ± 3 (18)	36 ± 2 (17)	42 ± 5 (17)	43 ± 4 (17)
o3max	81-84	87 ± 5 (68)	75 ± 5 (68)	74 ± 4 (70)	76 ± 5 (71)	77 ± 5 (70)	81 ± 5 (70)	82 ± 5 (69)
o3max	84-89	78 ± 4 (85)	64 ± 3 (87)	67 ± 3 (87)	66 ± 3 (87)	70 ± 3 (87)	69 ± 3 (87)	72 ± 3 (85)
o3max	90-94	63 ± 3 (87)	48 ± 2 (87)	51 ± 2 (87)	49 ± 2 (88)	54 ± 2 (87)	52 ± 2 (87)	60 ± 3 (87)
o3max	95-98	49 ± 2 (70)	39 ± 1 (71)	39 ± 1 (70)	39 ± 2 (69)	41 ± 2 (69)	41 ± 2 (69)	48 ± 2 (70)
34no2	1981	40 ± 4 (15)	35 ± 4 (16)	37 ± 4 (17)	34 ± 5 (16)	33 ± 3 (16)	34 ± 3 (17)	37 ± 3 (16)
34no2	1982	28 ± 3 (17)	24 ± 3 (17)	28 ± 4 (18)	30 ± 4 (18)	32 ± 4 (18)	29 ± 4 (17)	28 ± 3 (17)
34no2	1983	34 ± 6 (17)	27 ± 3 (17)	28 ± 3 (17)	27 ± 3 (18)	22 ± 3 (18)	26 ± 3 (17)	34 ± 3 (17)
34no2	1984	27 ± 4 (17)	23 ± 3 (16)	26 ± 4 (17)	29 ± 4 (17)	27 ± 2 (17)	27 ± 3 (18)	31 ± 3 (18)
34no2	1985	24 ± 4 (18)	24 ± 3 (18)	24 ± 4 (17)	26 ± 3 (17)	23 ± 3 (17)	29 ± 4 (17)	29 ± 3 (18)
34no2	1986	32 ± 3 (17)	33 ± 3 (18)	36 ± 5 (17)	31 ± 3 (17)	29 ± 3 (17)	31 ± 3 (17)	33 ± 3 (16)
34no2	1987	25 ± 3 (17)	27 ± 3 (18)	22 ± 3 (17)	27 ± 3 (18)	19 ± 2 (17)	22 ± 3 (17)	29 ± 3 (17)
34no2	1988	26 ± 4 (17)	28 ± 3 (17)	28 ± 2 (17)	28 ± 2 (18)	27 ± 2 (18)	31 ± 3 (17)	26 ± 2 (17)
34no2	1989	19 ± 3 (16)	21 ± 3 (16)	19 ± 2 (17)	22 ± 3 (17)	24 ± 3 (18)	28 ± 4 (17)	24 ± 3 (16)
34no2	1990	24 ± 3 (18)	21 ± 3 (17)	20 ± 3 (17)	17 ± 3 (16)	14 ± 2 (16)	16 ± 3 (18)	24 ± 3 (18)
34no2	1991	21 ± 2 (18)	15 ± 2 (18)	25 ± 3 (17)	19 ± 3 (17)	19 ± 3 (17)	21 ± 3 (17)	18 ± 2 (18)
34no2	1992	28 ± 3 (17)	30 ± 2 (17)	31 ± 3 (18)	27 ± 3 (18)	24 ± 2 (17)	28 ± 3 (17)	28 ± 3 (17)
34no2	1993	19 ± 3 (17)	21 ± 3 (17)	26 ± 2 (18)	21 ± 2 (18)	21 ± 2 (18)	19 ± 2 (17)	21 ± 2 (17)
34no2	1994	26 ± 3 (17)	26 ± 2 (17)	30 ± 2 (17)	30 ± 2 (18)	28 ± 2 (18)	33 ± 2 (18)	31 ± 2 (17)
34no2	1995	30 ± 2 (17)	26 ± 2 (17)	26 ± 3 (17)	26 ± 3 (17)	25 ± 2 (18)	29 ± 1 (18)	28 ± 2 (18)
34no2	1996	27 ± 2 (18)	23 ± 2 (18)	25 ± 2 (17)	27 ± 2 (17)	27 ± 2 (17)	23 ± 3 (17)	30 ± 2 (18)
34no2	1997	26 ± 2 (17)	24 ± 2 (18)	28 ± 2 (18)	29 ± 3 (17)	25 ± 3 (16)	25 ± 3 (15)	21 ± 3 (16)
34no2	1998	15 ± 2 (17)	17 ± 2 (18)	20 ± 3 (18)	17 ± 2 (18)	16 ± 2 (16)	20 ± 3 (17)	23 ± 3 (17)
34no2	81-84	32 ± 2 (66)	27 ± 2 (66)	30 ± 2 (69)	30 ± 2 (69)	28 ± 2 (69)	29 ± 2 (69)	32 ± 2 (68)
34no2	84-89	25 ± 1 (85)	27 ± 1 (87)	26 ± 2 (85)	27 ± 1 (87)	24 ± 1 (87)	28 ± 1 (85)	28 ± 1 (84)
34no2	90-94	24 ± 1 (87)	22 ± 1 (86)	26 ± 1 (87)	23 ± 1 (87)	21 ± 1 (86)	23 ± 1 (87)	24 ± 1 (87)
34no2	95-98	24 ± 1 (69)	23 ± 1 (71)	25 ± 1 (70)	25 ± 1 (69)	24 ± 1 (67)	24 ± 1 (67)	26 ± 1 (69)
34no	1981	28 ± 8 (16)	25 ± 8 (17)	22 ± 11 (18)	12 ± 5 (18)	14 ± 6 (17)	14 ± 7 (17)	11 ± 4 (17)
34no	1982	19 ± 5 (17)	15 ± 5 (17)	16 ± 8 (18)	16 ± 5 (18)	32 ± 9 (18)	25 ± 9 (17)	25 ± 7 (17)
34no	1983	41 ± 13 (17)	16 ± 5 (17)	21 ± 6 (17)	14 ± 5 (18)	12 ± 3 (18)	18 ± 7 (18)	40 ± 12 (17)
34no	1984	9 ± 4 (17)	7 ± 2 (16)	18 ± 8 (17)	20 ± 8 (17)	13 ± 4 (17)	11 ± 4 (18)	18 ± 6 (18)
34no	1985	12 ± 6 (18)	7 ± 3 (18)	23 ± 11 (17)	6 ± 3 (17)	16 ± 8 (17)	35 ± 14 (17)	31 ± 12 (18)
34no	1986	24 ± 8 (17)	29 ± 11 (18)	34 ± 13 (17)	24 ± 9 (17)	11 ± 3 (17)	21 ± 9 (17)	31 ± 10 (16)
34no	1987	26 ± 8 (17)	17 ± 5 (18)	18 ± 5 (17)	19 ± 5 (18)	13 ± 3 (17)	15 ± 6 (17)	19 ± 7 (17)
34no	1988	26 ± 14 (17)	9 ± 3 (17)	13 ± 4 (17)	16 ± 6 (18)	22 ± 8 (18)	16 ± 8 (17)	12 ± 4 (17)
34no	1989	9 ± 2 (16)	14 ± 4 (16)	15 ± 5 (17)	19 ± 7 (17)	23 ± 10 (18)	23 ± 9 (17)	11 ± 3 (16)
34no	1990	24 ± 8 (18)	15 ± 7 (17)	20 ± 6 (17)	17 ± 7 (16)	8 ± 5 (16)	13 ± 6 (18)	32 ± 9 (18)
34no	1991	18 ± 4 (18)	12 ± 3 (18)	14 ± 4 (17)	13 ± 4 (17)	12 ± 3 (17)	8 ± 1 (17)	17 ± 5 (18)
34no	1992	23 ± 8 (17)	17 ± 6 (17)	16 ± 4 (18)	11 ± 4 (18)	8 ± 3 (17)	12 ± 4 (17)	22 ± 10 (17)
34no	1993	10 ± 6 (17)	14 ± 8 (17)	16 ± 6 (18)	6 ± 2 (18)	8 ± 4 (18)	6 ± 2 (17)	15 ± 7 (17)
34no	1994	27 ± 9 (17)	18 ± 5 (17)	19 ± 4 (17)	30 ± 7 (18)	27 ± 6 (18)	47 ± 12 (18)	22 ± 7 (17)
34no	1995	24 ± 6 (17)	20 ± 5 (17)	25 ± 10 (17)	15 ± 4 (17)	17 ± 4 (18)	21 ± 5 (18)	31 ± 9 (18)
34no	1996	8 ± 4 (18)	8 ± 2 (18)	16 ± 5 (17)	15 ± 4 (17)	17 ± 6 (17)	9 ± 3 (17)	26 ± 8 (18)
34no	1997	30 ± 10 (17)	21 ± 5 (18)	43 ± 12 (18)	29 ± 6 (17)	26 ± 7 (16)	18 ± 5 (15)	22 ± 7 (16)
34no	1998	12 ± 4 (17)	14 ± 6 (18)	13 ± 3 (18)	14 ± 3 (18)	15 ± 4 (16)	31 ± 7 (17)	25 ± 5 (17)
34no	81-84	24 ± 4 (67)	16 ± 3 (67)	19 ± 4 (70)	15 ± 3 (71)	18 ± 3 (70)	17 ± 3 (70)	23 ± 4 (69)
34no	84-89	20 ± 4 (85)	15 ± 3 (87)	21 ± 4 (85)	17 ± 3 (87)	17 ± 3 (87)	22 ± 4 (85)	21 ± 4 (84)
34no	90-94	20 ± 3 (87)	15 ± 3 (86)	17 ± 2 (87)	15 ± 2 (87)	13 ± 2 (86)	18 ± 3 (87)	22 ± 3 (87)
34no	95-98	18 ± 3 (69)	16 ± 2 (71)	24 ± 4 (70)	18 ± 2 (69)	18 ± 3 (67)	20 ± 3 (67)	26 ± 4 (69)
34no2_nox	1981	0.68 ± 0.06 (15)	0.70 ± 0.06 (16)	0.80 ± 0.06 (17)	0.86 ± 0.05 (16)	0.83 ± 0.06 (15)	0.84 ± 0.05 (17)	0.84 ± 0.05 (16)
34no2_nox	1982	0.68 ± 0.05 (17)	0.69 ± 0.05 (16)	0.75 ± 0.06 (18)	0.75 ± 0.05 (18)	0.63 ± 0.06 (18)	0.66 ± 0.06 (17)	0.65 ± 0.05 (17)
34no2_nox	1983	0.60 ± 0.06 (16)	0.72 ± 0.05 (17)	0.67 ± 0.06 (17)	0.75 ± 0.05 (18)	0.74 ± 0.06 (18)	0.70 ± 0.06 (17)	0.65 ± 0.07 (17)
34no2_nox	1984	0.86 ± 0.05 (17)	0.83 ± 0.06 (16)	0.73 ± 0.06 (17)	0.72 ± 0.05 (17)	0.76 ± 0.05 (17)	0.79 ± 0.05 (18)	0.77 ± 0.06 (18)
34no2_nox	1985	0.84 ± 0.06 (17)	0.90 ± 0.04 (17)	0.81 ± 0.07 (17)	0.91 ± 0.04 (17)	0.83 ± 0.07 (16)	0.73 ± 0.08 (17)	0.75 ± 0.08 (18)
34no2_nox	1986	0.76 ± 0.07 (17)	0.73 ± 0.07 (18)	0.74 ± 0.07 (17)	0.75 ± 0.06 (17)	0.80 ± 0.05 (17)	0.77 ± 0.06 (17)	0.65 ± 0.06 (16)
34no2_nox	1987	0.65 ± 0.07 (17)	0.69 ± 0.06 (18)	0.62 ± 0.07 (17)	0.64 ± 0.05 (18)	0.65 ± 0.07 (17)	0.66 ± 0.09 (17)	0.74 ± 0.06 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
34no2_nox	1988	0.69 ± 0.07 (17)	0.83 ± 0.04 (17)	0.79 ± 0.05 (17)	0.79 ± 0.06 (18)	0.73 ± 0.06 (18)	0.83 ± 0.06 (17)	0.77 ± 0.06 (17)
34no2_nox	1989	0.70 ± 0.07 (16)	0.66 ± 0.08 (16)	0.62 ± 0.08 (17)	0.65 ± 0.08 (17)	0.69 ± 0.06 (18)	0.70 ± 0.06 (17)	0.74 ± 0.05 (16)
34no2_nox	1990	0.67 ± 0.07 (15)	0.79 ± 0.08 (15)	0.65 ± 0.07 (15)	0.66 ± 0.09 (11)	0.82 ± 0.07 (14)	0.71 ± 0.08 (13)	0.60 ± 0.08 (16)
34no2_nox	1991	0.60 ± 0.06 (18)	0.53 ± 0.07 (18)	0.70 ± 0.04 (17)	0.69 ± 0.06 (17)	0.69 ± 0.06 (17)	0.70 ± 0.05 (17)	0.56 ± 0.07 (18)
34no2_nox	1992	0.69 ± 0.07 (17)	0.74 ± 0.06 (17)	0.75 ± 0.05 (18)	0.81 ± 0.05 (18)	0.84 ± 0.05 (17)	0.79 ± 0.05 (17)	0.75 ± 0.07 (17)
34no2_nox	1993	0.86 ± 0.06 (17)	0.82 ± 0.06 (17)	0.75 ± 0.06 (18)	0.83 ± 0.06 (18)	0.86 ± 0.05 (18)	0.83 ± 0.05 (17)	0.80 ± 0.07 (17)
34no2_nox	1994	0.67 ± 0.06 (17)	0.70 ± 0.05 (17)	0.67 ± 0.04 (17)	0.61 ± 0.05 (18)	0.61 ± 0.05 (18)	0.55 ± 0.06 (18)	0.69 ± 0.05 (17)
34no2_nox	1995	0.63 ± 0.04 (17)	0.65 ± 0.04 (17)	0.66 ± 0.05 (17)	0.70 ± 0.03 (17)	0.68 ± 0.04 (18)	0.66 ± 0.05 (18)	0.62 ± 0.06 (18)
34no2_nox	1996	0.86 ± 0.04 (18)	0.80 ± 0.04 (18)	0.72 ± 0.05 (17)	0.70 ± 0.04 (17)	0.73 ± 0.05 (17)	0.80 ± 0.04 (17)	0.67 ± 0.05 (18)
34no2_nox	1997	0.59 ± 0.04 (17)	0.59 ± 0.03 (18)	0.52 ± 0.04 (18)	0.56 ± 0.03 (17)	0.59 ± 0.03 (16)	0.65 ± 0.04 (15)	0.62 ± 0.04 (16)
34no2_nox	1998	0.62 ± 0.04 (15)	0.66 ± 0.05 (17)	0.64 ± 0.04 (18)	0.60 ± 0.05 (18)	0.58 ± 0.05 (16)	0.47 ± 0.05 (17)	0.52 ± 0.04 (16)
34no2_nox	81-84	0.71 ± 0.03 (65)	0.73 ± 0.03 (65)	0.74 ± 0.03 (69)	0.77 ± 0.03 (69)	0.73 ± 0.03 (68)	0.75 ± 0.03 (69)	0.73 ± 0.03 (68)
34no2_nox	84-89	0.73 ± 0.03 (84)	0.76 ± 0.03 (86)	0.71 ± 0.03 (85)	0.75 ± 0.03 (87)	0.74 ± 0.03 (86)	0.74 ± 0.03 (85)	0.73 ± 0.03 (84)
34no2_nox	90-94	0.70 ± 0.03 (84)	0.71 ± 0.03 (84)	0.71 ± 0.02 (85)	0.73 ± 0.03 (82)	0.76 ± 0.03 (84)	0.71 ± 0.03 (82)	0.68 ± 0.03 (85)
34no2_nox	95-98	0.68 ± 0.02 (67)	0.67 ± 0.02 (70)	0.63 ± 0.02 (70)	0.64 ± 0.02 (69)	0.64 ± 0.02 (67)	0.64 ± 0.03 (67)	0.61 ± 0.03 (68)
34nmhc	1981	423 ± 69 (17)	387 ± 102 (18)	421 ± 104 (18)	251 ± 51 (18)	333 ± 54 (17)	333 ± 65 (17)	333 ± 54 (17)
34nmhc	1982	351 ± 63 (17)	292 ± 61 (16)	404 ± 84 (18)	404 ± 63 (18)	489 ± 99 (18)	441 ± 84 (17)	423 ± 73 (17)
34nmhc	1983	674 ± 164 (17)	369 ± 76 (17)	405 ± 61 (17)	285 ± 49 (18)	268 ± 44 (18)	353 ± 55 (18)	585 ± 90 (17)
34nmhc	1984	333 ± 65 (17)	234 ± 48 (16)	315 ± 67 (17)	333 ± 95 (17)	279 ± 52 (17)	251 ± 44 (18)	404 ± 58 (18)
34nmhc	1985	387 ± 78 (18)	336 ± 62 (18)	405 ± 106 (17)	315 ± 56 (17)	351 ± 58 (17)	603 ± 107 (17)	625 ± 134 (18)
34nmhc	1986	567 ± 74 (17)	557 ± 75 (18)	603 ± 101 (17)	477 ± 68 (17)	423 ± 36 (17)	513 ± 70 (17)	540 ± 68 (16)
34nmhc	1987	502 ± 107 (16)	423 ± 58 (17)	438 ± 75 (18)	472 ± 33 (18)	405 ± 49 (17)	405 ± 67 (17)	444 ± 89 (16)
34nmhc	1988	603 ± 188 (17)	387 ± 59 (17)	405 ± 55 (17)	421 ± 69 (18)	506 ± 108 (18)	441 ± 88 (17)	423 ± 44 (17)
34nmhc	1989	444 ± 31 (16)	483 ± 37 (16)	477 ± 57 (17)	477 ± 51 (17)	574 ± 75 (18)	540 ± 62 (18)	441 ± 47 (17)
34nmhc	1990	425 ± 114 (16)	265 ± 58 (15)	326 ± 68 (15)	273 ± 62 (16)	196 ± 47 (16)	279 ± 64 (17)	459 ± 100 (17)
34nmhc	1991	336 ± 57 (18)	201 ± 36 (18)	243 ± 46 (17)	226 ± 46 (17)	208 ± 46 (17)	208 ± 38 (17)	268 ± 56 (18)
34nmhc	1992	405 ± 89 (17)	369 ± 55 (17)	302 ± 48 (18)	353 ± 55 (18)	279 ± 45 (17)	315 ± 42 (17)	441 ± 102 (17)
34nmhc	1993	349 ± 96 (16)	387 ± 97 (16)	387 ± 69 (17)	208 ± 46 (17)	279 ± 64 (17)	245 ± 50 (15)	387 ± 74 (16)
34nmhc	1994	445 ± 88 (17)	333 ± 51 (17)	351 ± 33 (16)	413 ± 55 (18)	370 ± 49 (18)	530 ± 93 (18)	416 ± 62 (17)
34nmhc	1995	427 ± 51 (17)	373 ± 47 (17)	375 ± 79 (17)	342 ± 46 (17)	333 ± 35 (18)	391 ± 30 (18)	504 ± 75 (18)
34nmhc	1996	319 ± 41 (18)	268 ± 26 (18)	330 ± 41 (17)	333 ± 41 (17)	399 ± 56 (16)	296 ± 38 (16)	460 ± 66 (18)
34nmhc	1997	368 ± 88 (18)	275 ± 38 (18)	382 ± 81 (18)	349 ± 53 (16)	305 ± 52 (17)	238 ± 33 (17)	251 ± 41 (17)
34nmhc	1998	281 ± 43 (17)	281 ± 34 (17)	267 ± 31 (17)	294 ± 34 (18)	267 ± 27 (17)	349 ± 51 (17)	355 ± 43 (17)
34nmhc	81-84	445 ± 52 (68)	323 ± 38 (67)	387 ± 40 (70)	318 ± 33 (71)	344 ± 34 (70)	344 ± 32 (70)	436 ± 36 (69)
34nmhc	84-89	500 ± 49 (84)	437 ± 28 (86)	465 ± 36 (86)	433 ± 26 (87)	454 ± 32 (87)	501 ± 36 (86)	496 ± 38 (84)
34nmhc	90-94	391 ± 39 (84)	310 ± 28 (83)	321 ± 24 (83)	297 ± 25 (86)	269 ± 23 (85)	320 ± 30 (84)	393 ± 36 (85)
34nmhc	95-98	349 ± 30 (70)	299 ± 19 (70)	339 ± 31 (69)	329 ± 21 (68)	325 ± 22 (68)	320 ± 20 (68)	395 ± 31 (70)
67no	1981	17 ± 3 (12)	87 ± 31 (12)	67 ± 22 (13)	57 ± 20 (14)	76 ± 27 (14)	78 ± 22 (13)	24 ± 11 (13)
67no	1982	16 ± 3 (17)	68 ± 21 (17)	88 ± 20 (18)	64 ± 15 (17)	120 ± 30 (18)	67 ± 18 (17)	35 ± 7 (17)
67no	1983	37 ± 14 (17)	69 ± 18 (17)	81 ± 18 (17)	63 ± 16 (18)	62 ± 17 (18)	65 ± 16 (18)	45 ± 11 (17)
67no	1984	12 ± 4 (17)	39 ± 7 (16)	78 ± 18 (17)	75 ± 20 (17)	66 ± 17 (17)	42 ± 14 (18)	40 ± 12 (18)
67no	1985	16 ± 8 (18)	51 ± 18 (18)	69 ± 31 (17)	58 ± 21 (17)	58 ± 16 (17)	106 ± 33 (17)	62 ± 21 (18)
67no	1986	31 ± 12 (17)	96 ± 30 (18)	124 ± 34 (17)	61 ± 21 (17)	72 ± 16 (17)	77 ± 20 (17)	42 ± 13 (16)
67no	1987	32 ± 10 (17)	74 ± 15 (18)	70 ± 21 (17)	74 ± 21 (18)	50 ± 11 (17)	51 ± 14 (17)	22 ± 6 (17)
67no	1988	31 ± 16 (17)	58 ± 16 (17)	67 ± 16 (17)	72 ± 23 (18)	69 ± 19 (18)	59 ± 20 (17)	21 ± 5 (17)
67no	1989	15 ± 3 (16)	33 ± 6 (16)	54 ± 12 (17)	58 ± 17 (17)	72 ± 25 (18)	92 ± 32 (17)	24 ± 7 (16)
67no	1990	17 ± 7 (18)	61 ± 18 (17)	99 ± 23 (17)	84 ± 26 (16)	50 ± 16 (16)	50 ± 18 (18)	51 ± 13 (18)
67no	1991	16 ± 3 (18)	39 ± 8 (18)	57 ± 16 (16)	58 ± 18 (17)	49 ± 15 (17)	41 ± 10 (17)	15 ± 3 (18)
67no	1992	23 ± 8 (16)	88 ± 27 (17)	63 ± 12 (18)	104 ± 31 (18)	79 ± 23 (17)	60 ± 13 (17)	49 ± 18 (17)
67no	1993	16 ± 9 (17)	46 ± 21 (17)	56 ± 14 (18)	45 ± 12 (18)	42 ± 15 (18)	39 ± 7 (17)	28 ± 10 (17)
67no	1994	26 ± 10 (17)	74 ± 19 (17)	62 ± 11 (17)	103 ± 21 (18)	87 ± 20 (18)	107 ± 24 (18)	47 ± 12 (17)
67no	1995	26 ± 4 (17)	85 ± 18 (17)	82 ± 23 (17)	74 ± 16 (17)	72 ± 15 (18)	91 ± 13 (18)	67 ± 18 (18)
67no	1996	17 ± 5 (18)	50 ± 10 (18)	75 ± 16 (17)	78 ± 17 (17)	77 ± 15 (17)	50 ± 10 (17)	51 ± 10 (18)
67no	1997	46 ± 14 (17)	77 ± 16 (18)	115 ± 35 (17)	109 ± 26 (17)	79 ± 17 (16)	79 ± 26 (15)	46 ± 17 (16)
67no	1998	22 ± 6 (17)	62 ± 15 (18)	81 ± 20 (18)	54 ± 7 (18)	62 ± 12 (15)	79 ± 16 (17)	47 ± 8 (17)
67no	81-84	21 ± 4 (63)	65 ± 10 (62)	79 ± 10 (65)	65 ± 9 (66)	82 ± 12 (67)	62 ± 9 (66)	37 ± 5 (65)
67no	84-89	25 ± 5 (85)	63 ± 9 (87)	77 ± 11 (85)	65 ± 9 (87)	64 ± 8 (87)	77 ± 11 (85)	35 ± 6 (84)
67no	90-94	20 ± 3 (86)	61 ± 9 (86)	67 ± 7 (86)	79 ± 10 (87)	62 ± 8 (86)	60 ± 8 (87)	38 ± 5 (87)
67no	95-98	27 ± 4 (69)	68 ± 7 (71)	88 ± 12 (69)	79 ± 9 (69)	72 ± 7 (66)	75 ± 8 (67)	53 ± 7 (69)
67no2	1981	44 ± 4 (11)	46 ± 6 (11)	47 ± 5 (12)	44 ± 4 (12)	54 ± 3 (13)	48 ± 5 (13)	41 ± 3 (12)
67no2	1982	31 ± 3 (17)	36 ± 3 (17)	39 ± 4 (18)	42 ± 4 (17)	46 ± 4 (18)	36 ± 4 (17)	31 ± 5 (17)
67no2	1983	32 ± 5 (17)	42 ± 5 (17)	45 ± 4 (17)	41 ± 4 (18)	33 ± 3 (18)	41 ± 4 (17)	37 ± 4 (17)
67no2	1984	31 ± 3 (17)	39 ± 4 (16)	46 ± 5 (17)	45 ± 4 (17)	40 ± 4 (17)	38 ± 3 (18)	36 ± 4 (18)
67no2	1985	29 ± 5 (18)	43 ± 5 (18)	42 ± 5 (17)	44 ± 4 (17)	39 ± 4 (17)	48 ± 6 (17)	44 ± 5 (18)
67no2	1986	33 ± 5 (17)	49 ± 5 (18)	54 ± 5 (17)	42 ± 3 (17)	44 ± 2 (17)	44 ± 3 (17)	37 ± 3 (16)
67no2	1987	29 ± 3 (17)	39 ± 2 (18)	36 ± 4 (17)	43 ± 3 (18)	35 ± 3 (17)	39 ± 3 (17)	30 ± 3 (17)
67no2	1988	27 ± 4 (17)	41 ± 3 (17)	39 ± 2 (17)	40 ± 3 (18)	42 ± 3 (18)	41 ± 2 (17)	30 ± 2 (17)
67no2	1989	22 ± 3 (16)	31 ± 3 (16)	34 ± 2 (17)	37 ± 4 (17)	37 ± 3 (18)	42 ± 5 (17)	29 ± 2 (16)
67no2	1990	21 ± 3 (18)	35 ± 3 (17)	38 ± 4 (17)	37 ± 4 (16)	30 ± 3 (16)	28 ± 2 (18)	33 ± 4 (18)
67no2	1991	21 ± 2 (18)	33 ± 3 (18)	34 ± 3 (16)	34 ± 3 (17)	29 ± 3 (17)	36 ± 3 (17)	27 ± 2 (18)
67no2	1992	29 ± 3 (16)	39 ± 2 (17)	38 ± 2 (18)	44 ± 3 (18)	44 ± 3 (17)	36 ± 2 (17)	35 ± 4 (17)
67no2	1993	21 ± 2 (17)	31 ± 4 (17)	33 ± 2 (18)	34 ± 2 (18)	32 ± 3 (18)	32 ± 2 (17)	29 ± 3 (17)
67no2	1994	30 ± 3 (17)	40 ± 2 (17)	40 ± 2 (17)	43 ± 2 (18)	41 ± 2 (18)	44 ± 3 (17)	39 ± 4 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
67no2	1995	31 ± 2 (17)	39 ± 3 (17)	37 ± 3 (17)	39 ± 3 (17)	37 ± 1 (18)	41 ± 2 (18)	34 ± 3 (18)
67no2	1996	28 ± 3 (18)	35 ± 2 (18)	37 ± 2 (17)	39 ± 3 (17)	38 ± 3 (17)	33 ± 2 (17)	37 ± 3 (18)
67no2	1997	27 ± 3 (17)	33 ± 2 (18)	38 ± 3 (17)	37 ± 3 (17)	39 ± 3 (16)	37 ± 3 (15)	27 ± 3 (16)
67no2	1998	17 ± 2 (17)	30 ± 2 (18)	29 ± 3 (18)	27 ± 2 (18)	25 ± 3 (15)	29 ± 2 (17)	26 ± 2 (17)
67no2	81-84	33 ± 2 (62)	40 ± 2 (61)	44 ± 2 (64)	43 ± 2 (64)	42 ± 2 (66)	40 ± 2 (65)	36 ± 2 (64)
67no2	84-89	28 ± 2 (85)	41 ± 2 (87)	41 ± 2 (85)	41 ± 1 (87)	39 ± 1 (87)	43 ± 2 (85)	34 ± 2 (84)
67no2	90-94	24 ± 1 (86)	36 ± 1 (86)	37 ± 1 (86)	38 ± 1 (87)	35 ± 1 (86)	35 ± 1 (87)	32 ± 2 (87)
67no2	95-98	26 ± 1 (69)	34 ± 1 (71)	35 ± 1 (69)	35 ± 1 (69)	35 ± 1 (66)	35 ± 1 (67)	31 ± 1 (69)
67co	1981	0.8 ± 0.2 (17)	3.3 ± 0.9 (16)	2.6 ± 0.6 (17)	2.3 ± 0.4 (17)	2.7 ± 0.7 (15)	2.4 ± 0.4 (17)	1.1 ± 0.2 (17)
67co	1982	0.8 ± 0.2 (17)	2.4 ± 0.5 (16)	3.3 ± 0.7 (18)	2.4 ± 0.4 (18)	3.8 ± 0.9 (18)	2.6 ± 0.6 (17)	1.2 ± 0.2 (17)
67co	1983	1.7 ± 0.4 (17)	2.9 ± 0.5 (17)	2.9 ± 0.4 (17)	2.4 ± 0.4 (18)	2.5 ± 0.4 (18)	2.4 ± 0.4 (17)	2.1 ± 0.3 (17)
67co	1984	0.9 ± 0.2 (17)	2.3 ± 0.3 (16)	3.1 ± 0.6 (17)	3.0 ± 0.6 (17)	3.0 ± 0.6 (17)	1.7 ± 0.4 (18)	1.8 ± 0.4 (18)
67co	1985	1.3 ± 0.3 (18)	2.5 ± 0.6 (18)	3.1 ± 0.9 (17)	2.8 ± 0.6 (17)	2.6 ± 0.4 (17)	4.1 ± 1.0 (17)	2.7 ± 0.6 (18)
67co	1986	1.6 ± 0.3 (17)	3.6 ± 0.7 (18)	4.2 ± 0.7 (17)	2.0 ± 0.2 (17)	2.7 ± 0.3 (16)	2.9 ± 0.4 (17)	1.9 ± 0.3 (16)
67co	1987	1.7 ± 0.4 (16)	3.2 ± 0.4 (18)	3.1 ± 0.6 (18)	3.4 ± 0.7 (18)	2.7 ± 0.4 (16)	2.4 ± 0.3 (17)	1.4 ± 0.3 (16)
67co	1988	2.0 ± 0.7 (17)	2.9 ± 0.6 (17)	3.1 ± 0.5 (16)	3.1 ± 0.9 (18)	3.1 ± 0.6 (17)	2.8 ± 0.5 (18)	1.7 ± 0.2 (17)
67co	1989	1.3 ± 0.1 (16)	2.2 ± 0.2 (16)	2.9 ± 0.5 (17)	2.8 ± 0.4 (17)	3.5 ± 0.7 (18)	4.1 ± 0.9 (18)	1.9 ± 0.3 (17)
67co	1990	0.9 ± 0.3 (16)	2.5 ± 0.5 (15)	3.7 ± 0.8 (15)	2.9 ± 0.7 (16)	2.1 ± 0.4 (16)	2.1 ± 0.5 (17)	2.0 ± 0.5 (17)
67co	1991	0.8 ± 0.1 (18)	1.7 ± 0.2 (18)	2.1 ± 0.4 (17)	2.2 ± 0.4 (17)	1.8 ± 0.4 (17)	1.9 ± 0.3 (17)	1.1 ± 0.1 (18)
67co	1992	1.3 ± 0.2 (16)	2.9 ± 0.7 (17)	2.4 ± 0.3 (18)	3.7 ± 0.8 (18)	3.1 ± 0.7 (17)	2.2 ± 0.3 (17)	2.0 ± 0.5 (17)
67co	1993	1.2 ± 0.3 (16)	2.1 ± 0.7 (16)	2.4 ± 0.4 (17)	2.0 ± 0.3 (17)	2.0 ± 0.4 (17)	1.8 ± 0.2 (16)	1.6 ± 0.3 (16)
67co	1994	1.3 ± 0.3 (17)	2.7 ± 0.5 (17)	2.4 ± 0.3 (17)	3.5 ± 0.5 (18)	3.1 ± 0.6 (18)	3.3 ± 0.6 (18)	2.0 ± 0.3 (17)
67co	1995	1.3 ± 0.2 (17)	3.0 ± 0.5 (17)	2.9 ± 0.6 (17)	2.6 ± 0.4 (17)	2.5 ± 0.4 (18)	3.0 ± 0.3 (18)	2.4 ± 0.5 (18)
67co	1996	1.1 ± 0.2 (18)	2.1 ± 0.3 (18)	2.6 ± 0.4 (17)	2.7 ± 0.5 (17)	2.8 ± 0.5 (16)	2.1 ± 0.3 (16)	2.1 ± 0.3 (18)
67co	1997	1.3 ± 0.4 (18)	2.2 ± 0.4 (18)	2.9 ± 0.8 (17)	2.8 ± 0.6 (16)	2.2 ± 0.4 (17)	2.0 ± 0.4 (17)	1.3 ± 0.4 (17)
67co	1998	0.9 ± 0.2 (17)	1.9 ± 0.3 (17)	2.2 ± 0.5 (17)	1.9 ± 0.2 (18)	1.9 ± 0.2 (16)	1.9 ± 0.3 (17)	1.4 ± 0.2 (17)
67co	81-84	1.1 ± 0.1 (68)	2.7 ± 0.3 (65)	3.0 ± 0.3 (69)	2.5 ± 0.2 (70)	3.0 ± 0.3 (68)	2.3 ± 0.2 (69)	1.6 ± 0.2 (69)
67co	84-89	1.6 ± 0.2 (84)	2.9 ± 0.2 (84)	3.3 ± 0.3 (85)	2.8 ± 0.3 (87)	2.9 ± 0.2 (84)	3.2 ± 0.3 (87)	1.9 ± 0.2 (84)
67co	90-94	1.1 ± 0.1 (83)	2.4 ± 0.3 (83)	2.6 ± 0.2 (84)	2.9 ± 0.3 (86)	2.4 ± 0.2 (85)	2.3 ± 0.2 (85)	1.7 ± 0.2 (85)
67co	95-98	1.2 ± 0.1 (70)	2.3 ± 0.2 (70)	2.7 ± 0.3 (68)	2.5 ± 0.2 (68)	2.4 ± 0.2 (67)	2.3 ± 0.2 (68)	1.8 ± 0.2 (70)
67nmhc	1981	315 ± 49 (17)	1074 ± 289 (16)	872 ± 174 (17)	782 ± 133 (17)	916 ± 216 (15)	818 ± 134 (17)	423 ± 73 (17)
67nmhc	1982	333 ± 54 (17)	807 ± 162 (16)	1082 ± 200 (18)	811 ± 121 (18)	1252 ± 279 (18)	872 ± 178 (17)	441 ± 75 (17)
67nmhc	1983	603 ± 133 (17)	962 ± 163 (17)	962 ± 122 (17)	811 ± 126 (18)	845 ± 136 (18)	818 ± 128 (17)	728 ± 94 (17)
67nmhc	1984	369 ± 55 (17)	769 ± 86 (16)	1034 ± 197 (17)	998 ± 179 (17)	998 ± 194 (17)	608 ± 115 (18)	642 ± 131 (18)
67nmhc	1985	489 ± 92 (18)	845 ± 178 (18)	1016 ± 266 (17)	944 ± 184 (17)	890 ± 133 (17)	1339 ± 308 (17)	913 ± 181 (18)
67nmhc	1986	567 ± 98 (17)	1167 ± 218 (18)	1357 ± 215 (17)	692 ± 59 (17)	902 ± 103 (16)	962 ± 133 (17)	654 ± 96 (16)
67nmhc	1987	597 ± 114 (16)	1049 ± 136 (18)	1015 ± 194 (18)	1116 ± 205 (18)	902 ± 110 (16)	800 ± 101 (17)	502 ± 78 (16)
67nmhc	1988	692 ± 219 (17)	980 ± 178 (17)	1036 ± 167 (16)	1032 ± 277 (18)	1016 ± 169 (17)	930 ± 165 (18)	603 ± 63 (17)
67nmhc	1989	483 ± 37 (16)	750 ± 69 (16)	962 ± 141 (17)	926 ± 130 (17)	1150 ± 227 (18)	1320 ± 264 (18)	674 ± 85 (17)
67nmhc	1990	368 ± 86 (16)	855 ± 154 (15)	1222 ± 248 (15)	979 ± 227 (16)	711 ± 132 (16)	728 ± 165 (17)	692 ± 155 (17)
67nmhc	1991	336 ± 44 (18)	608 ± 73 (18)	728 ± 122 (17)	746 ± 123 (17)	639 ± 137 (17)	656 ± 94 (17)	421 ± 34 (18)
67nmhc	1992	483 ± 72 (16)	980 ± 229 (17)	811 ± 99 (18)	1201 ± 254 (18)	1034 ± 208 (17)	764 ± 96 (17)	692 ± 155 (17)
67nmhc	1993	444 ± 97 (16)	731 ± 212 (16)	818 ± 126 (17)	692 ± 101 (17)	692 ± 123 (17)	616 ± 65 (16)	559 ± 88 (16)
67nmhc	1994	466 ± 92 (17)	915 ± 156 (17)	813 ± 104 (17)	1147 ± 167 (18)	1021 ± 171 (18)	1084 ± 176 (18)	685 ± 91 (17)
67nmhc	1995	479 ± 47 (17)	994 ± 159 (17)	958 ± 193 (17)	872 ± 121 (17)	848 ± 118 (18)	1001 ± 106 (18)	801 ± 147 (18)
67nmhc	1996	430 ± 59 (18)	713 ± 80 (18)	879 ± 137 (17)	910 ± 140 (17)	946 ± 147 (16)	723 ± 95 (16)	716 ± 93 (18)
67nmhc	1997	485 ± 108 (18)	755 ± 119 (18)	980 ± 255 (17)	921 ± 189 (16)	752 ± 121 (17)	698 ± 128 (17)	479 ± 115 (17)
67nmhc	1998	366 ± 51 (17)	655 ± 105 (17)	755 ± 153 (17)	648 ± 61 (18)	660 ± 75 (16)	667 ± 89 (17)	511 ± 60 (17)
67nmhc	81-84	405 ± 42 (68)	904 ± 93 (65)	989 ± 87 (69)	849 ± 70 (70)	1007 ± 106 (68)	776 ± 70 (69)	560 ± 50 (69)
67nmhc	84-89	565 ± 56 (84)	963 ± 75 (87)	1077 ± 89 (85)	945 ± 84 (87)	976 ± 70 (84)	1071 ± 95 (87)	674 ± 51 (84)
67nmhc	90-94	418 ± 35 (83)	815 ± 77 (83)	869 ± 65 (84)	958 ± 84 (86)	823 ± 72 (85)	775 ± 59 (85)	608 ± 51 (85)
67nmhc	95-98	440 ± 36 (70)	778 ± 60 (70)	893 ± 94 (68)	834 ± 66 (68)	802 ± 59 (67)	776 ± 54 (68)	630 ± 56 (70)
58hc_nox	1981	7.6 ± 1.0 (15)	8.3 ± 0.7 (15)	8.7 ± 0.7 (17)	9.0 ± 0.5 (15)	8.0 ± 0.5 (15)	7.7 ± 0.5 (16)	7.7 ± 0.7 (15)
58hc_nox	1982	7.4 ± 0.7 (17)	8.4 ± 0.5 (15)	8.6 ± 0.6 (17)	8.3 ± 0.4 (17)	7.6 ± 0.3 (18)	11.8 ± 4.1 (17)	7.6 ± 0.6 (17)
58hc_nox	1983	10.8 ± 1.2 (17)	9.8 ± 0.6 (17)	8.9 ± 0.6 (17)	8.5 ± 0.4 (18)	9.8 ± 0.6 (17)	8.8 ± 0.6 (17)	10.0 ± 0.8 (17)
58hc_nox	1984	8.0 ± 0.6 (17)	9.9 ± 0.6 (16)	8.7 ± 0.4 (17)	8.8 ± 0.4 (17)	9.4 ± 0.5 (17)	8.3 ± 0.4 (18)	8.9 ± 0.8 (18)
58hc_nox	1985	12.1 ± 0.9 (18)	9.7 ± 0.5 (18)	10.1 ± 0.6 (17)	10.0 ± 0.6 (17)	10.8 ± 0.9 (17)	9.2 ± 0.5 (17)	10.3 ± 0.7 (18)
58hc_nox	1986	13.2 ± 1.9 (17)	10.5 ± 1.1 (18)	9.4 ± 0.7 (15)	9.5 ± 1.0 (16)	8.9 ± 0.5 (17)	10.3 ± 1.4 (17)	10.0 ± 0.7 (16)
58hc_nox	1987	12.0 ± 1.6 (16)	9.9 ± 0.5 (17)	10.9 ± 0.6 (16)	11.0 ± 0.7 (18)	11.1 ± 0.8 (16)	10.4 ± 0.6 (17)	11.0 ± 1.3 (16)
58hc_nox	1988	12.2 ± 0.8 (17)	10.4 ± 0.4 (17)	9.6 ± 0.3 (17)	9.5 ± 0.4 (18)	9.8 ± 0.5 (18)	10.1 ± 0.5 (17)	11.5 ± 0.6 (17)
58hc_nox	1989	14.8 ± 1.2 (16)	12.1 ± 0.9 (16)	11.8 ± 0.9 (17)	11.0 ± 0.5 (17)	12.4 ± 0.7 (18)	11.1 ± 0.8 (17)	12.8 ± 0.8 (16)
58hc_nox	1990	12.4 ± 1.8 (16)	9.1 ± 0.6 (15)	8.9 ± 0.6 (15)	8.9 ± 1.1 (16)	10.3 ± 1.1 (16)	8.7 ± 0.5 (17)	10.4 ± 1.5 (17)
58hc_nox	1991	9.7 ± 0.8 (18)	8.5 ± 0.4 (18)	8.5 ± 0.9 (16)	8.9 ± 0.7 (17)	8.6 ± 0.6 (17)	8.4 ± 0.5 (17)	10.6 ± 0.9 (18)
58hc_nox	1992	9.5 ± 0.8 (16)	8.4 ± 0.5 (16)	8.5 ± 0.4 (18)	8.5 ± 0.4 (18)	8.2 ± 0.4 (17)	8.9 ± 0.5 (17)	9.7 ± 0.8 (17)
58hc_nox	1993	13.8 ± 0.8 (16)	9.9 ± 0.4 (16)	9.9 ± 0.6 (16)	10.0 ± 0.5 (17)	10.6 ± 0.5 (17)	9.7 ± 0.6 (15)	11.8 ± 0.8 (16)
58hc_nox	1994	9.2 ± 0.4 (16)	7.8 ± 0.4 (17)	7.9 ± 0.3 (17)	7.9 ± 0.2 (18)	7.9 ± 0.2 (18)	7.3 ± 0.2 (18)	8.7 ± 0.4 (17)
58hc_nox	1995	8.8 ± 0.4 (17)	8.3 ± 0.4 (17)	8.2 ± 0.4 (17)	8.1 ± 0.5 (17)	7.8 ± 0.3 (18)	7.7 ± 0.2 (18)	9.0 ± 0.5 (18)
58hc_nox	1996	10.7 ± 0.6 (18)	8.8 ± 0.4 (18)	7.9 ± 0.2 (17)	8.2 ± 0.3 (17)	8.3 ± 0.3 (16)	8.9 ± 0.4 (16)	9.0 ± 0.4 (18)
58hc_nox	1997	7.3 ± 0.5 (17)	6.9 ± 0.3 (18)	6.4 ± 0.3 (15)	6.5 ± 0.3 (16)	6.7 ± 0.3 (16)	6.9 ± 0.3 (14)	7.7 ± 0.5 (16)
58hc_nox	1998	12.6 ± 2.5 (17)	7.3 ± 0.6 (17)	7.3 ± 0.8 (17)	7.7 ± 0.4 (18)	7.7 ± 0.6 (15)	6.8 ± 0.6 (17)	8.1 ± 0.8 (17)
58hc_nox	81-84	8.5 ± 0.5 (66)	9.1 ± 0.3 (63)	8.7 ± 0.3 (68)	8.6 ± 0.2 (67)	8.7 ± 0.3 (67)	9.2 ± 1.0 (68)	8.6 ± 0.4 (67)
58hc_nox	84-89	12.8 ± 0.6 (84)	10.5 ± 0.3 (86)	10.4 ± 0.3 (82)	10.2 ± 0.3 (86)	10.6 ± 0.3 (86)	10.2 ± 0.4 (85)	11.1 ± 0.4 (83)
58hc_nox	90-94	10.9 ± 0.5 (82)	8.7 ± 0.2 (82)	8.7 ± 0.3 (82)	8.8 ± 0.3 (86)	9.1 ± 0.3 (85)	8.6 ± 0.2 (84)	10.2 ± 0.4 (85)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
58hc_nox	95-98	9.9 ± 0.7 (69)	7.8 ± 0.2 (70)	7.5 ± 0.2 (66)	7.7 ± 0.2 (68)	7.6 ± 0.2 (65)	7.6 ± 0.2 (65)	8.4 ± 0.3 (69)
maxo3hc_nox	1981	8.5 ± 0.9 (15)	8.7 ± 1.2 (15)	7.8 ± 0.6 (16)	8.5 ± 0.6 (17)	8.3 ± 1.0 (16)	8.0 ± 0.5 (15)	9.0 ± 0.7 (15)
maxo3hc_nox	1982	9.9 ± 0.8 (17)	9.7 ± 0.6 (16)	10.4 ± 2.1 (16)	11.5 ± 2.1 (16)	9.6 ± 0.8 (15)	10.1 ± 0.7 (16)	10.2 ± 0.5 (17)
maxo3hc_nox	1983	10.2 ± 0.7 (17)	10.5 ± 0.9 (17)	9.0 ± 0.9 (13)	9.7 ± 1.1 (16)	8.3 ± 0.8 (17)	9.5 ± 0.5 (17)	10.5 ± 0.8 (17)
maxo3hc_nox	1984	10.3 ± 1.2 (17)	9.2 ± 0.6 (15)	8.8 ± 0.4 (17)	8.7 ± 0.9 (15)	8.6 ± 0.7 (17)	10.4 ± 0.5 (17)	10.9 ± 1.0 (18)
maxo3hc_nox	1985	11.4 ± 0.8 (18)	12.3 ± 1.0 (18)	12.8 ± 1.2 (16)	11.1 ± 1.0 (16)	12.5 ± 1.0 (16)	10.4 ± 0.6 (17)	11.6 ± 0.6 (18)
maxo3hc_nox	1986	11.7 ± 1.8 (17)	11.8 ± 1.0 (16)	10.2 ± 1.1 (17)	10.1 ± 0.8 (16)	10.4 ± 1.0 (16)	10.0 ± 1.1 (17)	10.8 ± 0.9 (16)
maxo3hc_nox	1987	10.8 ± 1.0 (16)	10.7 ± 0.6 (17)	10.4 ± 1.0 (18)	11.0 ± 0.8 (18)	14.7 ± 2.4 (17)	11.8 ± 1.9 (17)	12.8 ± 1.9 (16)
maxo3hc_nox	1988	11.8 ± 0.8 (17)	11.6 ± 0.9 (17)	12.3 ± 0.7 (17)	10.6 ± 0.9 (18)	10.9 ± 0.7 (18)	11.0 ± 0.6 (18)	13.3 ± 0.7 (17)
maxo3hc_nox	1989	16.4 ± 1.9 (16)	13.9 ± 1.0 (16)	13.0 ± 0.9 (17)	14.0 ± 1.8 (16)	12.3 ± 1.1 (18)	14.5 ± 1.6 (17)	16.6 ± 1.7 (16)
maxo3hc_nox	1990	11.0 ± 1.1 (15)	10.0 ± 0.6 (14)	8.8 ± 1.5 (15)	8.3 ± 1.3 (16)	10.7 ± 0.8 (16)	8.5 ± 1.0 (16)	14.3 ± 2.3 (17)
maxo3hc_nox	1991	9.0 ± 0.6 (18)	9.4 ± 0.7 (18)	8.9 ± 0.4 (16)	8.3 ± 0.7 (16)	8.0 ± 0.5 (17)	9.0 ± 0.9 (16)	10.1 ± 0.7 (18)
maxo3hc_nox	1992	11.9 ± 1.1 (16)	9.0 ± 1.1 (15)	8.7 ± 0.4 (18)	9.0 ± 0.5 (18)	8.6 ± 0.6 (16)	9.5 ± 0.5 (17)	10.9 ± 0.8 (17)
maxo3hc_nox	1993	13.3 ± 1.8 (16)	13.0 ± 1.9 (16)	10.8 ± 0.9 (16)	11.3 ± 0.9 (17)	9.5 ± 0.6 (16)	12.1 ± 1.1 (16)	12.4 ± 0.9 (16)
maxo3hc_nox	1994	10.8 ± 0.5 (17)	8.6 ± 0.5 (15)	9.5 ± 0.3 (17)	9.0 ± 0.5 (18)	9.0 ± 0.4 (18)	9.3 ± 0.3 (17)	11.9 ± 0.6 (17)
maxo3hc_nox	1995	10.6 ± 0.4 (17)	9.4 ± 0.4 (17)	9.4 ± 0.4 (17)	8.9 ± 0.3 (17)	9.0 ± 0.4 (17)	10.1 ± 0.3 (17)	11.3 ± 0.4 (18)
maxo3hc_nox	1996	11.3 ± 0.4 (18)	9.5 ± 0.4 (18)	9.3 ± 0.4 (17)	9.5 ± 0.4 (17)	10.8 ± 0.8 (16)	10.3 ± 0.6 (16)	12.3 ± 0.5 (18)
maxo3hc_nox	1997	8.6 ± 0.4 (17)	7.4 ± 0.3 (18)	6.9 ± 0.4 (15)	6.6 ± 0.4 (15)	7.1 ± 0.3 (16)	6.8 ± 0.8 (16)	8.3 ± 0.4 (16)
maxo3hc_nox	1998	10.5 ± 0.9 (17)	7.9 ± 0.6 (17)	7.5 ± 0.9 (17)	7.6 ± 0.8 (17)	8.1 ± 0.8 (14)	8.4 ± 0.8 (17)	9.8 ± 0.8 (17)
maxo3hc_nox	81-84	9.8 ± 0.5 (66)	9.6 ± 0.4 (63)	9.0 ± 0.6 (62)	9.6 ± 0.7 (64)	8.7 ± 0.4 (65)	9.5 ± 0.3 (65)	10.2 ± 0.4 (67)
maxo3hc_nox	84-89	12.4 ± 0.6 (84)	12.1 ± 0.4 (84)	11.7 ± 0.4 (85)	11.3 ± 0.5 (84)	12.2 ± 0.6 (85)	11.5 ± 0.6 (86)	13.0 ± 0.6 (83)
maxo3hc_nox	90-94	11.1 ± 0.5 (82)	10.0 ± 0.5 (78)	9.3 ± 0.3 (82)	9.2 ± 0.4 (85)	9.1 ± 0.3 (83)	9.7 ± 0.4 (82)	11.9 ± 0.6 (85)
maxo3hc_nox	95-98	10.3 ± 0.3 (69)	8.5 ± 0.2 (70)	8.3 ± 0.3 (66)	8.2 ± 0.3 (66)	8.8 ± 0.3 (63)	8.9 ± 0.4 (66)	10.5 ± 0.3 (69)
t <sub>no</sub> =03	1981	7.3 ± 0.3 (10)	9.1 ± 0.5 (6)	9.1 ± 0.3 (8)	8.7 ± 0.3 (10)	8.1 ± 0.2 (8)	8.3 ± 0.4 (13)	7.3 ± 0.5 (12)
t <sub>no</sub> =03	1982	6.8 ± 0.3 (13)	8.7 ± 0.5 (12)	8.9 ± 0.4 (6)	8.6 ± 0.3 (12)	8.5 ± 0.4 (16)	9.5 ± 0.2 (10)	8.4 ± 0.4 (13)
t <sub>no</sub> =03	1983	7.1 ± 0.2 (11)	8.2 ± 0.2 (8)	8.2 ± 0.2 (9)	8.3 ± 0.3 (11)	7.4 ± 0.3 (12)	8.2 ± 0.4 (13)	8.1 ± 0.4 (11)
t <sub>no</sub> =03	1984	6.9 ± 0.3 (11)	8.0 ± 0.4 (14)	8.8 ± 0.3 (10)	8.4 ± 0.2 (14)	8.0 ± 0.2 (13)	7.8 ± 0.3 (16)	7.7 ± 0.2 (13)
t <sub>no</sub> =03	1985	6.8 ± 0.3 (10)	7.6 ± 0.3 (14)	7.7 ± 0.2 (10)	7.6 ± 0.3 (14)	8.1 ± 0.2 (11)	8.5 ± 0.3 (14)	7.6 ± 0.3 (15)
t <sub>no</sub> =03	1986	7.2 ± 0.2 (12)	8.1 ± 0.3 (13)	7.8 ± 0.3 (7)	7.9 ± 0.3 (12)	8.2 ± 0.2 (13)	8.0 ± 0.3 (14)	7.5 ± 0.3 (13)
t <sub>no</sub> =03	1987	7.5 ± 0.3 (11)	7.9 ± 0.4 (13)	7.9 ± 0.5 (8)	8.4 ± 0.3 (15)	7.8 ± 0.3 (14)	8.1 ± 0.2 (13)	7.1 ± 0.3 (10)
t <sub>no</sub> =03	1988	7.1 ± 0.5 (10)	8.7 ± 0.4 (9)	8.4 ± 0.4 (9)	8.9 ± 0.3 (14)	8.9 ± 0.3 (14)	8.4 ± 0.3 (14)	7.8 ± 0.4 (16)
t <sub>no</sub> =03	1989	7.3 ± 0.3 (10)	8.8 ± 0.3 (12)	8.2 ± 0.4 (10)	8.3 ± 0.3 (16)	7.7 ± 0.3 (15)	8.8 ± 0.2 (14)	8.4 ± 0.2 (14)
t <sub>no</sub> =03	1990	7.0 ± 0.3 (13)	8.0 ± 0.3 (16)	7.5 ± 0.3 (10)	8.5 ± 0.5 (13)	7.8 ± 0.4 (13)	8.2 ± 0.3 (17)	7.4 ± 0.5 (17)
t <sub>no</sub> =03	1991	8.3 ± 0.3 (11)	9.7 ± 0.3 (14)	9.2 ± 0.3 (13)	8.8 ± 0.3 (12)	9.3 ± 0.2 (14)	9.4 ± 0.3 (14)	8.5 ± 0.3 (13)
t <sub>no</sub> =03	1992	7.6 ± 0.9 (10)	8.4 ± 0.2 (14)	8.2 ± 0.4 (17)	8.5 ± 0.4 (17)	8.6 ± 0.4 (14)	8.2 ± 0.2 (15)	7.6 ± 0.5 (12)
t <sub>no</sub> =03	1993	9.1 ± 0.4 (6)	8.4 ± 0.2 (12)	8.8 ± 0.2 (14)	8.4 ± 0.2 (15)	8.3 ± 0.5 (16)	8.5 ± 0.3 (14)	8.2 ± 0.3 (8)
t <sub>no</sub> =03	1994	7.4 ± 0.4 (9)	8.9 ± 0.3 (16)	9.2 ± 0.3 (14)	9.3 ± 0.4 (15)	9.1 ± 0.5 (15)	10.0 ± 0.3 (16)	8.5 ± 0.4 (13)
t <sub>no</sub> =03	1995	8.0 ± 0.5 (14)	9.7 ± 0.5 (16)	9.4 ± 0.4 (15)	9.7 ± 0.5 (15)	9.5 ± 0.4 (15)	9.6 ± 0.5 (15)	8.3 ± 0.2 (15)
t <sub>no</sub> =03	1996	8.3 ± 0.5 (7)	9.8 ± 0.5 (17)	9.1 ± 0.8 (14)	9.1 ± 0.6 (13)	9.7 ± 0.5 (14)	9.8 ± 0.5 (13)	9.2 ± 0.3 (17)
t <sub>no</sub> =03	1997	8.6 ± 0.5 (12)	10.8 ± 0.5 (15)	9.8 ± 0.6 (11)	9.1 ± 0.6 (11)	10.0 ± 0.6 (9)	9.2 ± 0.6 (10)	8.9 ± 0.4 (13)
t <sub>no</sub> =03	1998	8.5 ± 0.1 (12)	9.9 ± 0.1 (12)	10.0 ± 0.1 (11)	9.9 ± 0.1 (7)	11.1 ± 0.1 (10)	9.8 ± 0.1 (12)	9.6 ± 0.1 (11)
t <sub>no</sub> =03	81-84	7.0 ± 0.1 (45)	8.4 ± 0.2 (40)	8.7 ± 0.2 (33)	8.5 ± 0.2 (47)	8.0 ± 0.2 (49)	8.3 ± 0.2 (52)	7.9 ± 0.2 (49)
t <sub>no</sub> =03	84-89	7.2 ± 0.2 (53)	8.2 ± 0.2 (61)	8.0 ± 0.2 (44)	8.2 ± 0.1 (71)	8.1 ± 0.1 (67)	8.3 ± 0.1 (69)	7.7 ± 0.1 (68)
t <sub>no</sub> =03	90-94	7.8 ± 0.2 (49)	8.7 ± 0.1 (72)	8.6 ± 0.2 (68)	8.7 ± 0.2 (72)	8.6 ± 0.2 (72)	8.9 ± 0.1 (76)	8.0 ± 0.2 (63)
t <sub>no</sub> =03	95-98	8.3 ± 0.2 (45)	10.0 ± 0.2 (60)	9.5 ± 0.3 (51)	9.4 ± 0.2 (46)	10.0 ± 0.2 (48)	9.6 ± 0.2 (50)	9.0 ± 0.2 (56)
to3max	1981	11.6 ± 0.3 (17)	12.1 ± 0.5 (18)	11.8 ± 0.4 (17)	11.4 ± 0.2 (18)	11.4 ± 0.3 (17)	11.6 ± 0.3 (17)	11.9 ± 0.3 (17)
to3max	1982	11.6 ± 0.3 (17)	11.6 ± 0.4 (16)	11.4 ± 0.3 (17)	11.6 ± 0.3 (14)	11.2 ± 0.3 (17)	11.6 ± 0.3 (15)	11.6 ± 0.3 (15)
to3max	1983	11.8 ± 0.3 (17)	11.8 ± 0.3 (16)	11.8 ± 0.4 (17)	11.8 ± 0.3 (18)	11.5 ± 0.4 (15)	11.4 ± 0.4 (17)	11.2 ± 0.6 (17)
to3max	1984	11.5 ± 0.5 (16)	12.0 ± 0.2 (16)	11.4 ± 0.3 (17)	11.6 ± 0.4 (16)	11.3 ± 0.5 (16)	12.1 ± 0.4 (18)	11.0 ± 0.3 (18)
to3max	1985	11.1 ± 0.3 (17)	11.4 ± 0.3 (18)	11.6 ± 0.4 (16)	11.6 ± 0.4 (16)	11.4 ± 0.4 (16)	11.9 ± 0.3 (17)	11.5 ± 0.4 (18)
to3max	1986	11.6 ± 0.4 (16)	11.8 ± 0.4 (18)	11.8 ± 0.4 (16)	11.6 ± 0.3 (16)	11.5 ± 0.3 (17)	11.1 ± 0.3 (17)	11.8 ± 0.3 (16)
to3max	1987	11.4 ± 0.3 (17)	11.6 ± 0.4 (18)	11.7 ± 0.3 (18)	11.9 ± 0.3 (18)	11.6 ± 0.3 (14)	11.5 ± 0.3 (14)	11.7 ± 0.4 (15)
to3max	1988	11.5 ± 0.2 (17)	11.4 ± 0.2 (16)	11.3 ± 0.3 (16)	11.6 ± 0.4 (18)	11.0 ± 0.6 (18)	11.2 ± 0.2 (18)	12.2 ± 0.6 (17)
to3max	1989	11.1 ± 0.3 (15)	11.8 ± 0.4 (16)	11.6 ± 0.2 (17)	11.2 ± 0.8 (17)	11.4 ± 0.7 (18)	11.6 ± 0.8 (17)	11.8 ± 0.5 (15)
to3max	1990	11.1 ± 0.4 (17)	11.4 ± 0.3 (16)	11.8 ± 0.4 (15)	11.4 ± 0.5 (16)	12.1 ± 0.2 (17)	11.3 ± 0.4 (16)	11.4 ± 0.2 (18)
to3max	1991	11.4 ± 0.2 (18)	12.4 ± 0.5 (16)	12.1 ± 0.4 (15)	12.3 ± 0.3 (15)	12.2 ± 0.3 (15)	11.6 ± 0.3 (13)	11.5 ± 0.3 (17)
to3max	1992	10.5 ± 0.3 (17)	11.2 ± 0.4 (18)	11.7 ± 0.2 (18)	12.5 ± 0.6 (17)	12.4 ± 0.3 (15)	11.6 ± 0.4 (16)	11.4 ± 0.3 (17)
to3max	1993	10.8 ± 0.2 (13)	12.2 ± 0.4 (15)	12.1 ± 0.3 (17)	12.1 ± 0.3 (15)	11.9 ± 0.2 (17)	11.8 ± 0.3 (15)	11.9 ± 0.3 (16)
to3max	1994	11.2 ± 0.3 (17)	11.4 ± 0.7 (16)	12.1 ± 0.3 (16)	12.6 ± 0.3 (18)	11.9 ± 0.3 (18)	12.6 ± 0.3 (18)	11.7 ± 0.2 (17)
to3max	1995	12.8 ± 0.5 (16)	12.1 ± 0.4 (15)	12.8 ± 0.3 (17)	12.3 ± 0.2 (16)	12.7 ± 0.3 (15)	13.2 ± 0.4 (16)	12.8 ± 0.4 (16)
to3max	1996	12.0 ± 0.3 (18)	12.6 ± 0.2 (18)	12.7 ± 0.2 (16)	12.8 ± 0.4 (16)	12.9 ± 0.3 (16)	12.5 ± 0.2 (15)	12.3 ± 0.2 (18)
to3max	1997	11.9 ± 0.4 (18)	12.5 ± 0.3 (17)	13.0 ± 0.4 (17)	12.4 ± 0.4 (17)	13.3 ± 0.7 (16)	12.6 ± 0.4 (14)	12.2 ± 0.4 (14)
to3max	1998	12.0 ± 0.3 (17)	12.8 ± 0.3 (16)	11.9 ± 0.9 (18)	12.3 ± 0.4 (18)	13.9 ± 0.7 (16)	13.4 ± 0.3 (17)	12.9 ± 0.4 (16)
to3max	81-84	11.6 ± 0.2 (67)	11.9 ± 0.2 (66)	11.6 ± 0.2 (68)	11.6 ± 0.2 (66)	11.3 ± 0.2 (65)	11.7 ± 0.2 (67)	11.4 ± 0.2 (67)
to3max	84-89	11.3 ± 0.1 (82)	11.6 ± 0.2 (86)	11.6 ± 0.1 (83)	11.6 ± 0.2 (85)	11.4 ± 0.2 (83)	11.4 ± 0.2 (83)	11.8 ± 0.2 (81)
to3max	90-94	11.0 ± 0.1 (82)	11.7 ± 0.2 (81)	11.9 ± 0.1 (81)	12.2 ± 0.2 (81)	12.1 ± 0.1 (82)	11.8 ± 0.2 (78)	11.6 ± 0.1 (85)
to3max	95-98	12.2 ± 0.2 (69)	12.5 ± 0.1 (66)	12.6 ± 0.3 (68)	12.4 ± 0.2 (67)	13.2 ± 0.3 (63)	12.9 ± 0.2 (62)	12.5 ± 0.2 (64)
to3acc	1981	4.5 ± 0.6 (10)	2.5 ± 1.0 (6)	2.6 ± 0.5 (8)	2.4 ± 0.3 (10)	3.8 ± 0.6 (8)	3.3 ± 0.5 (13)	4.8 ± 0.7 (12)
to3acc	1982	4.7 ± 0.6 (13)	2.5 ± 0.5 (12)	2.9 ± 0.4 (6)	2.9 ± 0.5 (11)	2.9 ± 0.5 (15)	2.1 ± 0.5 (10)	3.2 ± 0.6 (13)
to3acc	1983	4.5 ± 0.6 (11)	3.9 ± 0.6 (7)	4.0 ± 0.6 (9)	3.6 ± 0.6 (11)	3.8 ± 0.7 (11)	2.8 ± 0.4 (12)	3.5 ± 0.4 (11)
to3acc	1984	5.1 ± 0.6 (11)	4.0 ± 0.3 (14)	2.2 ± 0.4 (10)	3.0 ± 0.4 (14)	2.4 ± 0.3 (12)	3.9 ± 0.5 (16)	3.5 ± 0.4 (13)
to3acc	1985	4.2 ± 0.5 (10)	3.9 ± 0.5 (14)	3.4 ± 0.6 (10)	3.9 ± 0.4 (14)	3.8 ± 0.4 (10)	3.4 ± 0.3 (14)	3.9 ± 0.5 (15)
to3acc	1986	4.4 ± 0.5 (12)	3.6 ± 0.5 (13)	3.3 ± 0.1 (7)	4.1 ± 0.6 (12)	3.3 ± 0.5 (13)	2.8 ± 0.4 (14)	4.6 ± 0.4 (13)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
to3acc	1987	3.1 ± 0.2 (11)	3.0 ± 0.4 (13)	3.6 ± 0.4 (8)	3.4 ± 0.4 (15)	3.8 ± 0.4 (13)	3.8 ± 0.4 (11)	4.0 ± 0.5 (10)
to3acc	1988	4.1 ± 0.5 (10)	2.9 ± 0.4 (9)	2.7 ± 0.5 (8)	2.3 ± 0.2 (14)	2.8 ± 0.4 (14)	2.7 ± 0.3 (14)	4.4 ± 0.7 (16)
to3acc	1989	3.9 ± 0.6 (10)	2.5 ± 0.5 (12)	3.4 ± 0.4 (10)	3.0 ± 0.6 (16)	4.4 ± 0.4 (15)	3.6 ± 0.3 (14)	3.4 ± 0.6 (14)
to3acc	1990	4.2 ± 0.4 (13)	3.4 ± 0.4 (16)	3.6 ± 0.7 (9)	3.0 ± 0.3 (12)	4.2 ± 0.4 (13)	3.2 ± 0.4 (16)	4.0 ± 0.3 (17)
to3acc	1991	2.8 ± 0.4 (11)	2.8 ± 0.5 (12)	2.8 ± 0.4 (12)	3.2 ± 0.5 (11)	3.1 ± 0.4 (12)	2.3 ± 0.4 (13)	3.3 ± 0.6 (13)
to3acc	1992	3.3 ± 0.4 (10)	3.1 ± 0.4 (14)	3.3 ± 0.5 (17)	3.8 ± 0.5 (16)	3.9 ± 0.4 (12)	3.2 ± 0.4 (14)	3.4 ± 0.4 (12)
to3acc	1993	2.4 ± 0.7 (4)	3.7 ± 0.6 (10)	2.9 ± 0.5 (13)	3.7 ± 0.4 (13)	3.6 ± 0.5 (15)	3.2 ± 0.3 (12)	3.3 ± 0.4 (8)
to3acc	1994	3.9 ± 0.7 (9)	3.1 ± 0.4 (15)	3.0 ± 0.4 (14)	3.2 ± 0.4 (15)	2.7 ± 0.5 (15)	2.5 ± 0.3 (16)	3.3 ± 0.4 (13)
to3acc	1995	4.8 ± 0.7 (14)	2.4 ± 0.4 (14)	3.3 ± 0.5 (15)	2.5 ± 0.3 (14)	2.7 ± 0.5 (13)	3.4 ± 0.6 (14)	4.5 ± 0.7 (14)
to3acc	1996	3.7 ± 0.6 (7)	2.8 ± 0.5 (17)	3.4 ± 0.5 (13)	3.2 ± 0.5 (13)	3.2 ± 0.6 (14)	2.7 ± 0.6 (12)	3.2 ± 0.4 (17)
to3acc	1997	2.8 ± 0.4 (12)	1.7 ± 0.5 (14)	3.4 ± 0.8 (11)	3.3 ± 0.8 (11)	2.5 ± 0.7 (9)	3.0 ± 0.6 (8)	3.4 ± 0.6 (11)
to3acc	1998	3.8 ± 0.6 (12)	2.6 ± 0.6 (11)	2.0 ± 0.9 (11)	2.5 ± 0.8 (7)	2.4 ± 0.8 (9)	3.3 ± 0.6 (12)	3.8 ± 0.7 (11)
to3acc	81-84	4.7 ± 0.3 (45)	3.3 ± 0.3 (39)	2.9 ± 0.3 (33)	3.0 ± 0.2 (46)	3.1 ± 0.3 (46)	3.2 ± 0.2 (51)	3.7 ± 0.3 (49)
to3acc	84-89	4.0 ± 0.2 (53)	3.2 ± 0.2 (61)	3.3 ± 0.2 (43)	3.3 ± 0.2 (71)	3.6 ± 0.2 (65)	3.2 ± 0.2 (67)	4.1 ± 0.3 (68)
to3acc	90-94	3.5 ± 0.2 (47)	3.2 ± 0.2 (67)	3.1 ± 0.2 (65)	3.4 ± 0.2 (67)	3.5 ± 0.2 (67)	2.9 ± 0.2 (71)	3.5 ± 0.2 (63)
to3acc	95-98	3.8 ± 0.3 (45)	2.4 ± 0.3 (56)	3.0 ± 0.3 (50)	2.9 ± 0.3 (45)	2.8 ± 0.3 (45)	3.1 ± 0.3 (46)	3.7 ± 0.3 (53)
o3rate	1981	18.3 ± 3.9 (10)	16.3 ± 7.0 (6)	19.3 ± 5.4 (8)	20.3 ± 3.8 (10)	22.5 ± 5.3 (8)	23.9 ± 5.0 (13)	14.4 ± 1.7 (12)
o3rate	1982	12.5 ± 2.3 (13)	11.5 ± 2.5 (11)	16.3 ± 5.9 (6)	21.2 ± 5.8 (11)	21.3 ± 5.4 (15)	17.9 ± 3.8 (10)	17.8 ± 2.6 (12)
o3rate	1983	27.8 ± 6.7 (11)	22.0 ± 4.6 (7)	18.3 ± 4.4 (9)	15.9 ± 3.7 (11)	20.5 ± 5.8 (11)	20.0 ± 2.6 (12)	30.5 ± 7.5 (11)
o3rate	1984	16.0 ± 3.2 (11)	12.4 ± 2.5 (14)	19.0 ± 3.6 (10)	21.1 ± 3.8 (14)	18.9 ± 3.1 (12)	17.1 ± 2.5 (16)	17.8 ± 3.9 (13)
o3rate	1985	18.5 ± 3.2 (10)	14.6 ± 2.8 (14)	27.1 ± 9.0 (10)	13.9 ± 2.0 (14)	23.9 ± 6.8 (10)	18.9 ± 3.1 (14)	16.6 ± 2.8 (15)
o3rate	1986	18.3 ± 3.2 (12)	14.2 ± 2.4 (13)	14.4 ± 1.8 (7)	12.9 ± 1.5 (12)	15.4 ± 1.8 (13)	16.4 ± 2.6 (14)	14.7 ± 2.5 (13)
o3rate	1987	18.7 ± 2.3 (11)	16.6 ± 2.6 (13)	16.0 ± 3.3 (8)	11.3 ± 1.7 (15)	13.4 ± 2.2 (13)	15.2 ± 3.3 (11)	12.9 ± 2.1 (10)
o3rate	1988	16.6 ± 3.9 (10)	13.6 ± 3.3 (9)	13.9 ± 2.6 (8)	13.8 ± 2.5 (13)	18.1 ± 2.9 (14)	16.1 ± 2.4 (14)	14.0 ± 2.5 (16)
o3rate	1989	12.2 ± 2.5 (10)	13.1 ± 3.5 (12)	14.6 ± 2.4 (10)	12.3 ± 1.7 (16)	11.1 ± 1.9 (15)	14.2 ± 1.7 (14)	13.6 ± 2.1 (14)
o3rate	1990	12.7 ± 2.1 (13)	12.5 ± 1.8 (16)	13.3 ± 4.0 (9)	12.3 ± 1.6 (12)	9.5 ± 1.3 (13)	14.8 ± 2.2 (16)	12.2 ± 1.9 (17)
o3rate	1991	16.6 ± 2.2 (11)	12.7 ± 3.0 (12)	12.5 ± 2.5 (12)	11.2 ± 2.1 (11)	14.7 ± 3.1 (12)	17.4 ± 3.7 (13)	10.7 ± 1.3 (12)
o3rate	1992	17.4 ± 3.9 (10)	12.1 ± 2.6 (14)	11.5 ± 2.0 (17)	9.9 ± 1.4 (16)	10.2 ± 1.3 (12)	11.0 ± 1.3 (14)	17.9 ± 3.0 (12)
o3rate	1993	27.5 ± 7.4 (4)	8.8 ± 1.2 (10)	11.8 ± 2.8 (13)	10.0 ± 0.9 (13)	9.4 ± 1.3 (15)	10.0 ± 1.5 (12)	13.6 ± 2.9 (8)
o3rate	1994	13.8 ± 3.6 (9)	7.2 ± 0.8 (15)	7.9 ± 1.0 (14)	6.9 ± 1.0 (15)	12.3 ± 2.2 (15)	10.9 ± 1.7 (16)	12.0 ± 2.0 (13)
o3rate	1995	9.6 ± 3.2 (14)	7.6 ± 1.2 (14)	8.6 ± 1.9 (15)	7.7 ± 1.3 (14)	8.5 ± 1.1 (13)	10.2 ± 2.7 (14)	10.9 ± 3.6 (14)
o3rate	1996	9.7 ± 1.5 (7)	7.3 ± 1.5 (17)	7.2 ± 1.3 (13)	7.5 ± 1.7 (13)	6.0 ± 1.2 (14)	6.5 ± 0.6 (12)	8.4 ± 0.8 (17)
o3rate	1997	8.2 ± 1.5 (12)	7.9 ± 1.9 (14)	5.9 ± 1.1 (11)	5.7 ± 1.0 (11)	11.0 ± 2.3 (9)	5.0 ± 1.0 (8)	7.3 ± 1.4 (11)
o3rate	1998	7.0 ± 1.1 (12)	6.5 ± 1.0 (11)	6.6 ± 2.3 (11)	9.3 ± 2.3 (7)	5.1 ± 1.0 (9)	10.1 ± 3.4 (12)	7.1 ± 2.6 (11)
o3rate	81-84	18.4 ± 2.2 (45)	14.6 ± 1.8 (38)	18.4 ± 2.2 (33)	19.7 ± 2.1 (46)	20.7 ± 2.5 (46)	19.7 ± 1.8 (51)	19.9 ± 2.3 (48)
o3rate	84-89	17.0 ± 1.4 (53)	14.5 ± 1.3 (61)	17.6 ± 2.4 (43)	12.8 ± 0.8 (70)	15.9 ± 1.5 (65)	16.2 ± 1.2 (67)	14.5 ± 1.1 (68)
o3rate	90-94	16.1 ± 1.5 (47)	10.7 ± 0.9 (67)	11.2 ± 1.1 (65)	9.9 ± 0.6 (67)	11.1 ± 0.9 (67)	12.8 ± 1.0 (71)	13.1 ± 1.0 (62)
o3rate	95-98	8.6 ± 1.1 (45)	7.4 ± 0.7 (56)	7.2 ± 0.9 (50)	7.4 ± 0.8 (45)	7.6 ± 0.7 (45)	8.3 ± 1.2 (46)	8.5 ± 1.1 (53)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
o3max	1981	133 ± 6 (17)	118 ± 9 (18)	119 ± 11 (18)	134 ± 14 (18)	152 ± 14 (17)	144 ± 9 (17)	140 ± 9 (17)
o3max	1982	103 ± 10 (17)	92 ± 9 (17)	101 ± 11 (18)	92 ± 13 (18)	116 ± 19 (18)	116 ± 17 (17)	111 ± 12 (17)
o3max	1983	135 ± 14 (17)	133 ± 15 (17)	128 ± 13 (17)	109 ± 11 (18)	92 ± 11 (18)	105 ± 13 (18)	124 ± 14 (17)
o3max	1984	116 ± 14 (18)	99 ± 12 (17)	101 ± 14 (17)	109 ± 13 (17)	99 ± 8 (17)	103 ± 9 (18)	116 ± 9 (18)
o3max	1985	118 ± 15 (18)	91 ± 9 (18)	95 ± 11 (17)	111 ± 12 (17)	103 ± 14 (17)	112 ± 13 (17)	123 ± 13 (18)
o3max	1986	115 ± 10 (18)	96 ± 8 (18)	82 ± 7 (18)	93 ± 9 (17)	92 ± 7 (17)	94 ± 10 (17)	109 ± 9 (17)
o3max	1987	103 ± 8 (17)	99 ± 9 (18)	109 ± 11 (18)	96 ± 8 (18)	89 ± 8 (17)	88 ± 10 (17)	94 ± 7 (17)
o3max	1988	91 ± 9 (17)	71 ± 7 (17)	77 ± 6 (17)	81 ± 10 (18)	82 ± 7 (18)	91 ± 6 (18)	103 ± 10 (17)
o3max	1989	90 ± 11 (17)	72 ± 7 (17)	97 ± 13 (17)	97 ± 10 (17)	95 ± 7 (18)	93 ± 8 (18)	90 ± 8 (18)
o3max	1990	101 ± 9 (18)	88 ± 7 (17)	84 ± 7 (17)	82 ± 9 (17)	93 ± 8 (17)	93 ± 8 (18)	107 ± 8 (18)
o3max	1991	108 ± 8 (17)	75 ± 8 (18)	79 ± 7 (17)	75 ± 6 (17)	75 ± 9 (17)	86 ± 8 (17)	96 ± 7 (17)
o3max	1992	94 ± 10 (17)	75 ± 8 (18)	78 ± 6 (18)	77 ± 6 (18)	93 ± 7 (17)	66 ± 6 (17)	96 ± 10 (17)
o3max	1993	82 ± 8 (17)	59 ± 6 (17)	61 ± 6 (18)	76 ± 7 (18)	73 ± 7 (18)	64 ± 5 (17)	83 ± 7 (17)
o3max	1994	101 ± 6 (17)	78 ± 6 (17)	80 ± 6 (17)	74 ± 6 (18)	87 ± 6 (18)	94 ± 8 (18)	109 ± 7 (17)
o3max	1995	87 ± 5 (17)	76 ± 4 (17)	78 ± 6 (17)	75 ± 6 (17)	76 ± 7 (18)	75 ± 6 (18)	94 ± 8 (18)
o3max	1996	76 ± 6 (18)	61 ± 3 (18)	61 ± 5 (17)	61 ± 7 (17)	62 ± 6 (17)	62 ± 5 (17)	75 ± 5 (18)
o3max	1997	68 ± 6 (18)	52 ± 4 (18)	54 ± 5 (18)	53 ± 4 (17)	51 ± 4 (17)	48 ± 4 (17)	57 ± 5 (17)
o3max	1998	80 ± 7 (17)	62 ± 5 (18)	63 ± 6 (18)	56 ± 5 (18)	59 ± 7 (17)	66 ± 7 (17)	74 ± 7 (17)
o3max	81-84	122 ± 6 (69)	111 ± 6 (69)	112 ± 6 (70)	111 ± 6 (71)	114 ± 7 (70)	117 ± 6 (70)	122 ± 6 (69)
o3max	84-89	104 ± 5 (87)	86 ± 4 (88)	92 ± 4 (87)	95 ± 4 (87)	92 ± 4 (87)	95 ± 4 (87)	104 ± 4 (87)
o3max	90-94	97 ± 4 (86)	75 ± 3 (87)	76 ± 3 (87)	77 ± 3 (88)	84 ± 3 (87)	81 ± 3 (87)	98 ± 4 (86)
o3max	95-98	78 ± 3 (70)	63 ± 2 (71)	64 ± 3 (70)	61 ± 3 (69)	62 ± 3 (69)	63 ± 3 (69)	75 ± 3 (70)
34no2	1981	56 ± 3 (17)	54 ± 5 (17)	58 ± 5 (17)	53 ± 5 (18)	61 ± 6 (17)	61 ± 6 (17)	61 ± 5 (17)
34no2	1982	43 ± 4 (16)	41 ± 4 (16)	44 ± 4 (18)	51 ± 5 (18)	49 ± 6 (18)	57 ± 7 (17)	50 ± 5 (16)
34no2	1983	58 ± 7 (17)	46 ± 5 (17)	57 ± 5 (17)	46 ± 4 (18)	44 ± 5 (18)	50 ± 4 (18)	55 ± 4 (17)
34no2	1984	36 ± 4 (18)	35 ± 5 (17)	42 ± 5 (17)	42 ± 4 (17)	38 ± 3 (17)	37 ± 3 (18)	41 ± 4 (18)
34no2	1985	47 ± 4 (18)	43 ± 4 (18)	48 ± 5 (17)	48 ± 4 (17)	44 ± 3 (17)	58 ± 6 (17)	56 ± 5 (18)
34no2	1986	48 ± 4 (17)	47 ± 6 (17)	49 ± 5 (17)	44 ± 3 (17)	45 ± 5 (17)	49 ± 4 (17)	44 ± 3 (16)
34no2	1987	36 ± 3 (16)	46 ± 3 (16)	43 ± 4 (18)	47 ± 4 (17)	42 ± 3 (17)	36 ± 4 (17)	37 ± 4 (16)
34no2	1988	41 ± 5 (17)	41 ± 4 (17)	46 ± 4 (17)	52 ± 4 (18)	55 ± 5 (17)	49 ± 4 (18)	46 ± 4 (17)
34no2	1989	39 ± 5 (15)	41 ± 6 (15)	43 ± 5 (13)	45 ± 4 (16)	54 ± 5 (18)	49 ± 4 (16)	43 ± 4 (16)
34no2	1990	41 ± 4 (18)	42 ± 4 (17)	45 ± 4 (17)	39 ± 5 (17)	39 ± 3 (17)	37 ± 4 (18)	42 ± 4 (18)
34no2	1991	38 ± 5 (15)	29 ± 4 (14)	31 ± 6 (14)	29 ± 4 (17)	33 ± 4 (15)	39 ± 5 (14)	26 ± 3 (15)
34no2	1992	27 ± 4 (17)	27 ± 4 (18)	26 ± 4 (18)	27 ± 4 (18)	26 ± 3 (17)	30 ± 4 (16)	27 ± 3 (17)
34no2	1993	19 ± 3 (16)	22 ± 3 (16)	22 ± 3 (17)	25 ± 3 (17)	23 ± 4 (17)	25 ± 3 (17)	23 ± 3 (17)
34no2	1994	38 ± 4 (17)	36 ± 3 (17)	39 ± 4 (17)	41 ± 3 (18)	42 ± 4 (18)	47 ± 4 (18)	45 ± 4 (17)
34no2	1995	43 ± 3 (17)	42 ± 4 (17)	41 ± 5 (17)	40 ± 5 (17)	38 ± 4 (18)	42 ± 4 (18)	44 ± 4 (18)
34no2	1996	36 ± 4 (11)	37 ± 4 (11)	36 ± 3 (10)	39 ± 5 (10)	43 ± 6 (10)	39 ± 4 (10)	44 ± 3 (11)
34no2	1997	33 ± 4 (15)	33 ± 4 (15)	37 ± 4 (15)	42 ± 6 (14)	33 ± 5 (14)	30 ± 4 (13)	27 ± 3 (14)
34no2	1998	32 ± 4 (17)	32 ± 3 (18)	33 ± 4 (18)	31 ± 2 (18)	30 ± 3 (17)	34 ± 4 (17)	39 ± 3 (17)
34no2	81-84	48 ± 3 (68)	44 ± 3 (67)	50 ± 2 (69)	48 ± 2 (71)	48 ± 3 (70)	51 ± 3 (70)	51 ± 2 (68)
34no2	84-89	42 ± 2 (83)	44 ± 2 (83)	46 ± 2 (82)	47 ± 2 (85)	48 ± 2 (86)	48 ± 2 (85)	46 ± 2 (83)
34no2	90-94	33 ± 2 (83)	31 ± 2 (82)	33 ± 2 (83)	33 ± 2 (87)	33 ± 2 (84)	36 ± 2 (83)	33 ± 2 (84)
34no2	95-98	36 ± 2 (60)	36 ± 2 (61)	37 ± 2 (60)	37 ± 2 (59)	35 ± 2 (59)	37 ± 2 (58)	38 ± 2 (60)
34no	1981	65 ± 14 (17)	67 ± 17 (17)	59 ± 14 (17)	54 ± 17 (18)	63 ± 22 (17)	74 ± 24 (17)	62 ± 14 (17)
34no	1982	54 ± 12 (16)	41 ± 11 (16)	63 ± 13 (18)	64 ± 14 (18)	93 ± 20 (18)	92 ± 19 (17)	54 ± 14 (16)
34no	1983	69 ± 16 (17)	42 ± 14 (17)	71 ± 17 (17)	51 ± 13 (18)	54 ± 16 (18)	57 ± 15 (18)	71 ± 16 (17)
34no	1984	36 ± 10 (18)	39 ± 14 (17)	55 ± 15 (17)	56 ± 14 (17)	41 ± 12 (17)	34 ± 11 (18)	48 ± 11 (18)
34no	1985	48 ± 13 (18)	42 ± 17 (18)	61 ± 17 (17)	44 ± 10 (17)	46 ± 12 (17)	74 ± 16 (17)	71 ± 19 (18)
34no	1986	56 ± 14 (17)	56 ± 17 (17)	64 ± 19 (17)	48 ± 14 (17)	36 ± 12 (17)	62 ± 13 (17)	66 ± 12 (16)
34no	1987	51 ± 15 (16)	58 ± 13 (16)	47 ± 14 (18)	49 ± 13 (17)	39 ± 11 (17)	39 ± 14 (17)	37 ± 13 (16)
34no	1988	32 ± 10 (17)	29 ± 7 (17)	54 ± 13 (17)	56 ± 12 (18)	71 ± 18 (17)	52 ± 15 (18)	39 ± 14 (17)
34no	1989	41 ± 14 (15)	57 ± 20 (15)	49 ± 21 (13)	57 ± 15 (16)	48 ± 12 (18)	84 ± 21 (16)	56 ± 14 (16)
34no	1990	69 ± 13 (18)	54 ± 16 (17)	78 ± 18 (17)	66 ± 24 (17)	38 ± 15 (17)	49 ± 15 (18)	73 ± 16 (18)
34no	1991	47 ± 12 (15)	26 ± 12 (14)	29 ± 11 (14)	30 ± 10 (17)	30 ± 11 (15)	26 ± 7 (15)	20 ± 9 (15)
34no	1992	65 ± 13 (17)	63 ± 16 (18)	57 ± 16 (18)	51 ± 13 (18)	69 ± 18 (17)	63 ± 11 (16)	71 ± 16 (17)
34no	1993	23 ± 12 (16)	19 ± 9 (16)	33 ± 13 (17)	26 ± 8 (17)	28 ± 9 (17)	29 ± 10 (17)	35 ± 11 (17)
34no	1994	60 ± 17 (17)	41 ± 13 (17)	45 ± 10 (17)	67 ± 14 (18)	77 ± 18 (18)	74 ± 15 (18)	49 ± 14 (17)
34no	1995	69 ± 13 (17)	53 ± 14 (17)	60 ± 20 (17)	45 ± 17 (17)	47 ± 16 (18)	60 ± 13 (18)	82 ± 17 (18)
34no	1996	47 ± 17 (11)	28 ± 6 (11)	66 ± 20 (10)	67 ± 17 (10)	65 ± 21 (10)	36 ± 11 (10)	68 ± 16 (11)
34no	1997	34 ± 11 (15)	36 ± 9 (15)	55 ± 16 (15)	50 ± 17 (14)	43 ± 19 (14)	35 ± 15 (13)	32 ± 15 (14)
34no	1998	23 ± 7 (17)	22 ± 5 (18)	19 ± 7 (18)	19 ± 7 (18)	35 ± 16 (17)	51 ± 14 (17)	55 ± 16 (17)
34no	81-84	56 ± 7 (68)	47 ± 7 (67)	62 ± 7 (69)	56 ± 7 (71)	63 ± 9 (70)	64 ± 9 (70)	59 ± 7 (68)
34no	84-89	46 ± 6 (83)	48 ± 7 (83)	55 ± 7 (82)	51 ± 6 (85)	48 ± 6 (86)	62 ± 7 (85)	54 ± 7 (83)
34no	90-94	53 ± 6 (83)	42 ± 6 (82)	49 ± 7 (83)	48 ± 7 (87)	49 ± 7 (84)	49 ± 6 (84)	51 ± 6 (84)
34no	95-98	43 ± 6 (60)	35 ± 5 (61)	47 ± 8 (60)	42 ± 8 (59)	46 ± 9 (59)	48 ± 7 (58)	60 ± 8 (60)
34no2_nox	1981	0.61 ± 0.07 (17)	0.62 ± 0.07 (17)	0.66 ± 0.07 (17)	0.71 ± 0.07 (18)	0.70 ± 0.07 (17)	0.65 ± 0.07 (17)	0.60 ± 0.05 (17)
34no2_nox	1982	0.55 ± 0.07 (16)	0.64 ± 0.07 (16)	0.55 ± 0.06 (18)	0.58 ± 0.06 (18)	0.50 ± 0.08 (18)	0.52 ± 0.08 (17)	0.62 ± 0.07 (16)
34no2_nox	1983	0.56 ± 0.06 (17)	0.69 ± 0.06 (17)	0.59 ± 0.07 (17)	0.60 ± 0.05 (18)	0.61 ± 0.06 (18)	0.63 ± 0.07 (18)	0.56 ± 0.06 (17)
34no2_nox	1984	0.65 ± 0.07 (18)	0.67 ± 0.07 (17)	0.61 ± 0.07 (17)	0.59 ± 0.07 (17)	0.61 ± 0.05 (17)	0.69 ± 0.06 (18)	0.61 ± 0.06 (18)
34no2_nox	1985	0.64 ± 0.06 (18)	0.73 ± 0.06 (18)	0.60 ± 0.07 (17)	0.65 ± 0.07 (17)	0.64 ± 0.07 (17)	0.58 ± 0.07 (17)	0.57 ± 0.06 (18)
34no2_nox	1986	0.63 ± 0.07 (17)	0.63 ± 0.07 (17)	0.64 ± 0.07 (17)	0.66 ± 0.07 (17)	0.72 ± 0.07 (17)	0.57 ± 0.06 (17)	0.51 ± 0.07 (16)
34no2_nox	1987	0.64 ± 0.08 (16)	0.55 ± 0.08 (17)	0.66 ± 0.07 (18)	0.60 ± 0.07 (18)	0.68 ± 0.07 (17)	0.68 ± 0.07 (17)	0.65 ± 0.08 (16)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
34no2_nox	1988	0.71 ± 0.07 (17)	0.71 ± 0.06 (17)	0.61 ± 0.07 (17)	0.55 ± 0.04 (18)	0.61 ± 0.07 (17)	0.65 ± 0.07 (18)	0.67 ± 0.06 (17)
34no2_nox	1989	0.71 ± 0.08 (15)	0.63 ± 0.08 (15)	0.67 ± 0.08 (13)	0.62 ± 0.08 (16)	0.67 ± 0.07 (18)	0.52 ± 0.07 (16)	0.59 ± 0.07 (16)
34no2_nox	1990	0.49 ± 0.06 (18)	0.64 ± 0.08 (17)	0.54 ± 0.07 (17)	0.67 ± 0.08 (17)	0.68 ± 0.06 (17)	0.62 ± 0.07 (18)	0.51 ± 0.07 (18)
34no2_nox	1991	0.60 ± 0.07 (15)	0.69 ± 0.07 (14)	0.57 ± 0.08 (15)	0.64 ± 0.07 (17)	0.66 ± 0.07 (15)	0.63 ± 0.07 (14)	0.75 ± 0.07 (15)
34no2_nox	1992	0.42 ± 0.07 (17)	0.46 ± 0.07 (18)	0.43 ± 0.05 (18)	0.47 ± 0.07 (18)	0.45 ± 0.07 (16)	0.44 ± 0.06 (16)	0.44 ± 0.07 (17)
34no2_nox	1993	0.82 ± 0.08 (15)	0.78 ± 0.08 (14)	0.71 ± 0.09 (16)	0.66 ± 0.08 (15)	0.70 ± 0.08 (16)	0.69 ± 0.08 (16)	0.67 ± 0.08 (17)
34no2_nox	1994	0.64 ± 0.08 (17)	0.67 ± 0.07 (17)	0.60 ± 0.06 (17)	0.53 ± 0.07 (18)	0.53 ± 0.07 (18)	0.53 ± 0.06 (18)	0.62 ± 0.06 (17)
34no2_nox	1995	0.49 ± 0.06 (17)	0.60 ± 0.07 (17)	0.63 ± 0.07 (17)	0.70 ± 0.07 (17)	0.68 ± 0.07 (18)	0.55 ± 0.06 (18)	0.49 ± 0.06 (18)
34no2_nox	1996	0.63 ± 0.09 (11)	0.63 ± 0.06 (11)	0.51 ± 0.09 (10)	0.52 ± 0.09 (10)	0.57 ± 0.09 (10)	0.63 ± 0.07 (10)	0.48 ± 0.06 (11)
34no2_nox	1997	0.70 ± 0.08 (15)	0.64 ± 0.07 (15)	0.58 ± 0.07 (15)	0.68 ± 0.08 (14)	0.72 ± 0.08 (14)	0.71 ± 0.08 (13)	0.77 ± 0.09 (14)
34no2_nox	1998	0.74 ± 0.06 (17)	0.73 ± 0.06 (18)	0.78 ± 0.05 (18)	0.79 ± 0.06 (18)	0.74 ± 0.08 (17)	0.62 ± 0.08 (17)	0.62 ± 0.07 (17)
34no2_nox	81-84	0.59 ± 0.03 (68)	0.66 ± 0.03 (67)	0.60 ± 0.03 (69)	0.62 ± 0.03 (71)	0.61 ± 0.03 (70)	0.62 ± 0.03 (70)	0.60 ± 0.03 (68)
34no2_nox	84-89	0.67 ± 0.03 (83)	0.65 ± 0.03 (84)	0.64 ± 0.03 (82)	0.61 ± 0.03 (86)	0.66 ± 0.03 (86)	0.60 ± 0.03 (85)	0.60 ± 0.03 (83)
34no2_nox	90-94	0.59 ± 0.04 (82)	0.64 ± 0.03 (80)	0.57 ± 0.03 (83)	0.59 ± 0.03 (85)	0.60 ± 0.03 (82)	0.58 ± 0.03 (82)	0.59 ± 0.03 (84)
34no2_nox	95-98	0.64 ± 0.04 (60)	0.65 ± 0.03 (61)	0.64 ± 0.04 (60)	0.69 ± 0.04 (59)	0.69 ± 0.04 (59)	0.62 ± 0.04 (58)	0.59 ± 0.04 (60)
34nmhc	1981	674 ± 61 (17)	549 ± 59 (17)	523 ± 56 (18)	540 ± 57 (18)	585 ± 83 (17)	674 ± 116 (17)	603 ± 68 (17)
34nmhc	1982	585 ± 52 (17)	567 ± 74 (17)	557 ± 62 (18)	642 ± 79 (18)	674 ± 96 (17)	728 ± 86 (17)	585 ± 69 (17)
34nmhc	1983	746 ± 102 (17)	441 ± 80 (17)	603 ± 94 (17)	506 ± 66 (18)	455 ± 94 (18)	523 ± 86 (18)	674 ± 76 (17)
34nmhc	1984	506 ± 93 (18)	441 ± 70 (17)	531 ± 79 (17)	674 ± 100 (17)	513 ± 70 (17)	421 ± 74 (18)	625 ± 100 (18)
34nmhc	1985	557 ± 99 (18)	506 ± 82 (18)	448 ± 80 (15)	477 ± 63 (17)	513 ± 53 (17)	639 ± 75 (17)	658 ± 104 (18)
34nmhc	1986	567 ± 83 (17)	459 ± 85 (17)	483 ± 82 (16)	425 ± 78 (16)	369 ± 67 (17)	441 ± 65 (17)	567 ± 59 (17)
34nmhc	1987	459 ± 81 (17)	455 ± 72 (18)	404 ± 84 (18)	455 ± 84 (18)	387 ± 59 (17)	369 ± 67 (17)	405 ± 67 (17)
34nmhc	1988	423 ± 86 (17)	351 ± 58 (17)	444 ± 69 (16)	513 ± 70 (17)	557 ± 75 (18)	477 ± 73 (17)	495 ± 78 (17)
34nmhc	1989	438 ± 112 (12)	489 ± 108 (12)	463 ± 125 (12)	367 ± 81 (15)	406 ± 90 (16)	550 ± 72 (15)	496 ± 82 (14)
34nmhc	1990	625 ± 94 (18)	477 ± 77 (17)	513 ± 74 (17)	459 ± 100 (17)	405 ± 67 (17)	387 ± 49 (18)	608 ± 81 (18)
34nmhc	1991	621 ± 76 (17)	472 ± 64 (18)	513 ± 53 (17)	495 ± 45 (17)	477 ± 57 (17)	459 ± 62 (17)	405 ± 72 (17)
34nmhc	1992	710 ± 89 (17)	574 ± 75 (18)	506 ± 79 (18)	506 ± 66 (18)	603 ± 90 (17)	567 ± 70 (17)	692 ± 108 (17)
34nmhc	1993	477 ± 94 (17)	369 ± 55 (17)	404 ± 67 (18)	489 ± 70 (18)	472 ± 81 (18)	477 ± 73 (17)	616 ± 95 (16)
34nmhc	1994	748 ± 111 (17)	525 ± 72 (17)	574 ± 74 (16)	604 ± 71 (17)	689 ± 85 (17)	709 ± 73 (18)	674 ± 81 (17)
34nmhc	1995	656 ± 70 (17)	450 ± 56 (17)	416 ± 68 (17)	405 ± 69 (17)	424 ± 61 (18)	528 ± 49 (18)	636 ± 91 (18)
34nmhc	1996	558 ± 75 (18)	397 ± 45 (18)	421 ± 46 (17)	418 ± 52 (17)	455 ± 61 (17)	419 ± 48 (17)	586 ± 63 (18)
34nmhc	1997	396 ± 61 (18)	346 ± 47 (18)	364 ± 56 (17)	371 ± 54 (17)	317 ± 62 (17)	324 ± 61 (17)	333 ± 66 (17)
34nmhc	1998	396 ± 41 (17)	336 ± 35 (18)	323 ± 41 (18)	318 ± 29 (18)	366 ± 54 (17)	441 ± 61 (17)	554 ± 77 (17)
34nmhc	81-84	626 ± 41 (69)	499 ± 36 (68)	553 ± 36 (70)	589 ± 38 (71)	555 ± 43 (69)	583 ± 47 (70)	622 ± 39 (69)
34nmhc	84-89	493 ± 41 (81)	450 ± 35 (82)	447 ± 38 (77)	450 ± 33 (83)	448 ± 31 (85)	494 ± 32 (83)	527 ± 36 (83)
34nmhc	90-94	636 ± 42 (86)	484 ± 31 (87)	500 ± 31 (86)	510 ± 32 (87)	528 ± 35 (86)	520 ± 31 (87)	599 ± 40 (85)
34nmhc	95-98	501 ± 34 (70)	382 ± 23 (71)	380 ± 27 (69)	377 ± 26 (69)	391 ± 30 (69)	430 ± 28 (69)	530 ± 39 (70)
67no	1981	68 ± 14 (17)	147 ± 41 (18)	145 ± 41 (17)	124 ± 33 (18)	148 ± 35 (17)	136 ± 35 (17)	82 ± 25 (17)
67no	1982	44 ± 10 (16)	104 ± 25 (16)	143 ± 30 (18)	131 ± 29 (18)	148 ± 28 (18)	131 ± 28 (17)	84 ± 22 (16)
67no	1983	58 ± 15 (17)	102 ± 23 (17)	138 ± 26 (17)	113 ± 23 (18)	107 ± 28 (18)	107 ± 20 (18)	84 ± 20 (17)
67no	1984	33 ± 9 (18)	69 ± 17 (17)	146 ± 33 (17)	134 ± 31 (17)	111 ± 22 (17)	85 ± 16 (18)	57 ± 14 (18)
67no	1985	42 ± 11 (18)	73 ± 16 (18)	104 ± 29 (17)	121 ± 25 (17)	102 ± 18 (17)	156 ± 30 (17)	87 ± 18 (18)
67no	1986	48 ± 12 (17)	119 ± 35 (16)	124 ± 27 (17)	115 ± 28 (17)	108 ± 26 (16)	83 ± 17 (16)	69 ± 16 (16)
67no	1987	52 ± 13 (16)	113 ± 21 (16)	111 ± 25 (18)	89 ± 17 (17)	100 ± 22 (17)	94 ± 26 (17)	52 ± 16 (16)
67no	1988	40 ± 10 (17)	92 ± 24 (17)	134 ± 35 (16)	103 ± 22 (18)	163 ± 41 (17)	115 ± 29 (18)	43 ± 15 (17)
67no	1989	49 ± 15 (17)	111 ± 26 (16)	96 ± 24 (16)	121 ± 20 (17)	121 ± 31 (17)	161 ± 42 (16)	64 ± 14 (17)
67no	1990	58 ± 10 (18)	114 ± 29 (17)	143 ± 29 (17)	131 ± 34 (17)	98 ± 18 (17)	88 ± 21 (18)	86 ± 16 (18)
67no	1991	40 ± 13 (15)	64 ± 20 (14)	89 ± 24 (14)	91 ± 25 (17)	73 ± 24 (15)	69 ± 19 (14)	25 ± 9 (15)
67no	1992	61 ± 14 (17)	121 ± 28 (18)	126 ± 29 (18)	120 ± 28 (18)	136 ± 33 (17)	104 ± 21 (16)	78 ± 17 (17)
67no	1993	20 ± 11 (16)	48 ± 23 (16)	75 ± 26 (17)	70 ± 21 (17)	69 ± 24 (17)	71 ± 17 (17)	59 ± 19 (17)
67no	1994	36 ± 12 (17)	101 ± 24 (17)	108 ± 26 (17)	150 ± 24 (18)	129 ± 22 (18)	135 ± 28 (18)	63 ± 15 (17)
67no	1995	68 ± 12 (17)	121 ± 25 (17)	93 ± 24 (17)	97 ± 23 (17)	100 ± 23 (18)	150 ± 23 (18)	108 ± 22 (18)
67no	1996	53 ± 19 (11)	78 ± 24 (11)	128 ± 25 (10)	145 ± 29 (10)	136 ± 33 (10)	118 ± 26 (10)	96 ± 22 (11)
67no	1997	43 ± 14 (15)	80 ± 24 (15)	99 ± 26 (15)	123 ± 30 (14)	83 ± 26 (14)	49 ± 18 (13)	46 ± 19 (14)
67no	1998	26 ± 7 (17)	78 ± 14 (18)	73 ± 17 (18)	65 ± 14 (18)	68 ± 15 (17)	98 ± 23 (17)	58 ± 18 (17)
67no	81-84	50 ± 6 (68)	106 ± 14 (68)	143 ± 16 (69)	125 ± 14 (71)	128 ± 14 (70)	114 ± 13 (70)	76 ± 10 (68)
67no	84-89	46 ± 5 (85)	101 ± 11 (83)	114 ± 12 (84)	109 ± 10 (86)	119 ± 13 (84)	122 ± 13 (84)	63 ± 7 (84)
67no	90-94	43 ± 5 (83)	91 ± 12 (82)	109 ± 12 (83)	113 ± 12 (87)	102 ± 11 (84)	94 ± 10 (83)	63 ± 7 (84)
67no	95-98	47 ± 7 (60)	90 ± 11 (61)	94 ± 12 (60)	102 ± 12 (59)	93 ± 12 (59)	107 ± 12 (58)	77 ± 11 (60)
67no2	1981	64 ± 5 (17)	72 ± 6 (18)	76 ± 7 (17)	73 ± 7 (18)	81 ± 7 (16)	78 ± 8 (17)	65 ± 7 (17)
67no2	1982	44 ± 6 (16)	51 ± 4 (16)	59 ± 5 (18)	58 ± 5 (18)	63 ± 6 (18)	58 ± 6 (17)	50 ± 6 (16)
67no2	1983	54 ± 7 (17)	64 ± 6 (17)	71 ± 6 (17)	61 ± 5 (18)	58 ± 6 (18)	61 ± 5 (18)	61 ± 6 (17)
67no2	1984	41 ± 6 (18)	48 ± 5 (17)	56 ± 6 (17)	55 ± 4 (17)	52 ± 5 (17)	50 ± 4 (18)	46 ± 4 (18)
67no2	1985	51 ± 6 (18)	54 ± 5 (18)	54 ± 6 (17)	58 ± 5 (17)	60 ± 6 (17)	68 ± 7 (17)	63 ± 7 (18)
67no2	1986	52 ± 5 (17)	59 ± 5 (16)	66 ± 7 (17)	59 ± 5 (17)	57 ± 6 (16)	56 ± 6 (16)	49 ± 4 (16)
67no2	1987	40 ± 4 (16)	56 ± 4 (16)	55 ± 4 (18)	51 ± 4 (17)	49 ± 3 (17)	46 ± 3 (17)	42 ± 4 (16)
67no2	1988	44 ± 6 (17)	53 ± 4 (17)	59 ± 4 (16)	59 ± 5 (18)	68 ± 7 (17)	61 ± 5 (18)	51 ± 6 (17)
67no2	1989	44 ± 6 (17)	58 ± 7 (16)	56 ± 7 (16)	59 ± 6 (17)	61 ± 6 (17)	60 ± 4 (16)	48 ± 4 (17)
67no2	1990	43 ± 4 (18)	54 ± 5 (17)	58 ± 5 (17)	62 ± 6 (17)	55 ± 4 (17)	46 ± 4 (18)	53 ± 4 (18)
67no2	1991	38 ± 5 (15)	47 ± 3 (14)	48 ± 6 (14)	46 ± 4 (17)	46 ± 4 (15)	47 ± 4 (13)	35 ± 2 (15)
67no2	1992	31 ± 4 (17)	37 ± 5 (18)	33 ± 4 (18)	33 ± 3 (18)	39 ± 4 (17)	33 ± 3 (16)	31 ± 4 (17)
67no2	1993	21 ± 3 (16)	29 ± 2 (16)	30 ± 3 (17)	32 ± 3 (17)	32 ± 3 (17)	31 ± 2 (17)	29 ± 3 (17)
67no2	1994	37 ± 5 (17)	51 ± 3 (17)	54 ± 5 (17)	54 ± 4 (18)	54 ± 4 (18)	55 ± 5 (18)	48 ± 4 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
67no2	1995	45 ± 4 (17)	54 ± 4 (17)	49 ± 5 (17)	51 ± 4 (17)	49 ± 4 (18)	57 ± 4 (18)	50 ± 5 (18)
67no2	1996	35 ± 4 (11)	43 ± 4 (11)	44 ± 3 (10)	52 ± 4 (10)	47 ± 4 (10)	46 ± 3 (10)	46 ± 4 (11)
67no2	1997	32 ± 4 (15)	42 ± 3 (15)	46 ± 3 (15)	55 ± 5 (14)	47 ± 5 (14)	41 ± 4 (13)	33 ± 3 (14)
67no2	1998	32 ± 3 (17)	44 ± 3 (18)	42 ± 3 (18)	39 ± 3 (18)	39 ± 3 (17)	44 ± 3 (17)	41 ± 4 (17)
67no2	81-84	50 ± 3 (68)	59 ± 3 (68)	66 ± 3 (69)	62 ± 3 (71)	63 ± 3 (69)	62 ± 3 (70)	55 ± 3 (68)
67no2	84-89	46 ± 3 (85)	56 ± 2 (83)	58 ± 2 (84)	57 ± 2 (86)	59 ± 3 (84)	58 ± 2 (84)	51 ± 2 (84)
67no2	90-94	34 ± 2 (83)	43 ± 2 (82)	44 ± 2 (83)	45 ± 2 (87)	45 ± 2 (84)	42 ± 2 (82)	39 ± 2 (84)
67no2	95-98	36 ± 2 (60)	46 ± 2 (61)	45 ± 2 (60)	49 ± 2 (59)	45 ± 2 (59)	48 ± 2 (58)	43 ± 2 (60)
67co	1981	1.9 ± 0.2 (17)	3.0 ± 0.5 (18)	3.3 ± 0.5 (18)	2.9 ± 0.5 (18)	3.2 ± 0.6 (17)	3.1 ± 0.6 (17)	1.9 ± 0.3 (17)
67co	1982	1.5 ± 0.2 (17)	2.9 ± 0.4 (17)	3.4 ± 0.5 (18)	3.4 ± 0.6 (18)	3.2 ± 0.5 (16)	3.1 ± 0.6 (17)	2.0 ± 0.3 (17)
67co	1983	1.6 ± 0.4 (17)	3.1 ± 0.5 (17)	3.6 ± 0.5 (17)	2.9 ± 0.4 (18)	2.8 ± 0.5 (18)	3.1 ± 0.4 (18)	2.2 ± 0.3 (17)
67co	1984	1.3 ± 0.3 (18)	2.5 ± 0.4 (17)	3.9 ± 0.6 (17)	3.7 ± 0.6 (17)	3.5 ± 0.5 (17)	2.8 ± 0.4 (18)	2.0 ± 0.4 (18)
67co	1985	1.4 ± 0.3 (18)	2.4 ± 0.4 (18)	2.3 ± 0.5 (15)	2.8 ± 0.4 (17)	2.8 ± 0.4 (17)	3.6 ± 0.4 (17)	2.3 ± 0.3 (18)
67co	1986	1.3 ± 0.3 (17)	2.8 ± 0.5 (17)	3.1 ± 0.5 (16)	2.9 ± 0.5 (16)	2.5 ± 0.4 (17)	2.5 ± 0.4 (17)	1.6 ± 0.2 (17)
67co	1987	1.2 ± 0.2 (17)	2.8 ± 0.3 (18)	2.9 ± 0.5 (18)	2.8 ± 0.5 (18)	2.6 ± 0.4 (17)	2.2 ± 0.4 (17)	1.4 ± 0.3 (17)
67co	1988	1.5 ± 0.3 (17)	2.2 ± 0.4 (17)	3.1 ± 0.6 (15)	2.8 ± 0.4 (17)	3.7 ± 0.6 (18)	2.9 ± 0.5 (17)	1.5 ± 0.3 (17)
67co	1989	1.3 ± 0.4 (12)	2.4 ± 0.7 (11)	2.4 ± 0.7 (13)	2.3 ± 0.5 (15)	2.9 ± 0.7 (15)	3.4 ± 0.7 (14)	1.8 ± 0.3 (12)
67co	1990	1.6 ± 0.2 (18)	2.6 ± 0.5 (16)	3.0 ± 0.4 (17)	2.8 ± 0.5 (17)	2.5 ± 0.3 (17)	2.2 ± 0.3 (18)	2.1 ± 0.3 (18)
67co	1991	1.6 ± 0.3 (17)	2.2 ± 0.3 (18)	2.5 ± 0.4 (17)	2.4 ± 0.5 (17)	2.3 ± 0.4 (17)	2.4 ± 0.4 (17)	1.2 ± 0.2 (17)
67co	1992	2.0 ± 0.3 (17)	2.9 ± 0.5 (18)	2.9 ± 0.5 (18)	2.8 ± 0.4 (18)	3.3 ± 0.5 (17)	2.6 ± 0.3 (17)	2.1 ± 0.3 (17)
67co	1993	1.3 ± 0.3 (17)	1.6 ± 0.3 (17)	2.2 ± 0.4 (18)	2.4 ± 0.4 (18)	2.4 ± 0.5 (18)	2.2 ± 0.3 (17)	2.1 ± 0.4 (16)
67co	1994	1.7 ± 0.3 (17)	2.9 ± 0.4 (17)	2.9 ± 0.5 (16)	3.4 ± 0.4 (17)	3.2 ± 0.4 (17)	3.3 ± 0.5 (18)	2.2 ± 0.3 (17)
67co	1995	1.8 ± 0.2 (17)	2.6 ± 0.4 (17)	1.9 ± 0.3 (17)	2.3 ± 0.3 (17)	2.2 ± 0.3 (18)	3.1 ± 0.3 (18)	2.2 ± 0.4 (18)
67co	1996	1.5 ± 0.3 (18)	1.8 ± 0.3 (18)	2.1 ± 0.3 (17)	2.1 ± 0.3 (17)	2.2 ± 0.3 (17)	1.9 ± 0.2 (17)	2.0 ± 0.3 (18)
67co	1997	1.0 ± 0.2 (18)	1.7 ± 0.3 (18)	2.0 ± 0.3 (18)	2.4 ± 0.4 (17)	1.8 ± 0.3 (17)	1.3 ± 0.2 (17)	1.0 ± 0.2 (17)
67co	1998	1.1 ± 0.1 (17)	1.7 ± 0.2 (18)	1.7 ± 0.2 (18)	1.6 ± 0.2 (18)	1.6 ± 0.2 (17)	2.1 ± 0.3 (17)	1.6 ± 0.3 (17)
67co	81-84	1.6 ± 0.1 (69)	2.9 ± 0.2 (69)	3.6 ± 0.3 (70)	3.2 ± 0.3 (71)	3.1 ± 0.2 (68)	3.0 ± 0.2 (70)	2.0 ± 0.2 (69)
67co	84-89	1.3 ± 0.1 (81)	2.5 ± 0.2 (81)	2.8 ± 0.2 (77)	2.7 ± 0.2 (83)	2.9 ± 0.2 (84)	2.9 ± 0.2 (82)	1.7 ± 0.1 (81)
67co	90-94	1.6 ± 0.1 (86)	2.5 ± 0.2 (86)	2.7 ± 0.2 (86)	2.7 ± 0.2 (87)	2.7 ± 0.2 (86)	2.6 ± 0.2 (87)	1.9 ± 0.1 (85)
67co	95-98	1.3 ± 0.1 (70)	1.9 ± 0.1 (71)	1.9 ± 0.1 (70)	2.1 ± 0.1 (69)	1.9 ± 0.1 (69)	2.1 ± 0.2 (69)	1.7 ± 0.1 (70)
67nmhc	1981	656 ± 63 (17)	998 ± 158 (18)	1082 ± 161 (18)	981 ± 153 (18)	1052 ± 170 (17)	1016 ± 169 (17)	674 ± 103 (17)
67nmhc	1982	549 ± 65 (17)	962 ± 133 (17)	1133 ± 158 (18)	1133 ± 173 (18)	1055 ± 158 (16)	1034 ± 169 (17)	692 ± 98 (17)
67nmhc	1983	567 ± 108 (17)	1016 ± 145 (17)	1195 ± 146 (17)	964 ± 130 (18)	930 ± 145 (18)	1015 ± 125 (18)	764 ± 100 (17)
67nmhc	1984	472 ± 88 (18)	854 ± 120 (17)	1285 ± 186 (17)	1213 ± 192 (17)	1141 ± 139 (17)	947 ± 126 (18)	692 ± 108 (18)
67nmhc	1985	506 ± 86 (18)	811 ± 111 (18)	774 ± 167 (15)	926 ± 130 (17)	944 ± 109 (17)	1195 ± 133 (17)	794 ± 102 (18)
67nmhc	1986	477 ± 82 (17)	944 ± 166 (17)	1036 ± 142 (16)	960 ± 157 (16)	836 ± 134 (17)	836 ± 120 (17)	567 ± 74 (17)
67nmhc	1987	441 ± 75 (17)	947 ± 105 (18)	964 ± 156 (18)	930 ± 149 (18)	890 ± 108 (17)	764 ± 116 (17)	495 ± 90 (17)
67nmhc	1988	531 ± 91 (17)	746 ± 112 (17)	1018 ± 170 (15)	926 ± 127 (17)	1201 ± 196 (18)	962 ± 141 (17)	549 ± 87 (17)
67nmhc	1989	489 ± 121 (12)	803 ± 223 (11)	810 ± 225 (13)	794 ± 151 (15)	957 ± 210 (15)	1129 ± 209 (14)	616 ± 85 (12)
67nmhc	1990	557 ± 66 (18)	883 ± 144 (16)	998 ± 133 (17)	926 ± 162 (17)	854 ± 95 (17)	760 ± 103 (18)	726 ± 78 (18)
67nmhc	1991	567 ± 91 (17)	760 ± 97 (18)	836 ± 123 (17)	800 ± 138 (17)	782 ± 130 (17)	800 ± 108 (17)	459 ± 49 (17)
67nmhc	1992	692 ± 83 (17)	981 ± 141 (18)	964 ± 158 (18)	930 ± 125 (18)	1087 ± 167 (17)	890 ± 105 (17)	728 ± 98 (17)
67nmhc	1993	477 ± 82 (17)	567 ± 95 (17)	760 ± 122 (18)	811 ± 129 (18)	811 ± 138 (18)	746 ± 92 (17)	711 ± 116 (16)
67nmhc	1994	601 ± 80 (17)	958 ± 124 (17)	961 ± 142 (16)	1109 ± 127 (17)	1066 ± 125 (17)	1101 ± 144 (18)	748 ± 80 (17)
67nmhc	1995	624 ± 67 (17)	863 ± 107 (17)	649 ± 101 (17)	780 ± 103 (17)	753 ± 90 (18)	1023 ± 106 (18)	743 ± 109 (18)
67nmhc	1996	547 ± 83 (18)	631 ± 86 (18)	730 ± 83 (17)	719 ± 88 (17)	739 ± 95 (17)	676 ± 74 (17)	704 ± 79 (18)
67nmhc	1997	389 ± 64 (18)	604 ± 89 (18)	699 ± 89 (18)	811 ± 110 (17)	621 ± 91 (17)	489 ± 70 (17)	398 ± 63 (17)
67nmhc	1998	407 ± 43 (17)	606 ± 64 (18)	614 ± 75 (18)	564 ± 53 (18)	583 ± 64 (17)	712 ± 99 (17)	570 ± 85 (17)
67nmhc	81-84	560 ± 42 (69)	958 ± 69 (69)	1172 ± 80 (70)	1071 ± 81 (71)	1043 ± 75 (68)	1002 ± 72 (70)	706 ± 50 (69)
67nmhc	84-89	489 ± 39 (81)	854 ± 61 (81)	926 ± 75 (77)	909 ± 63 (83)	969 ± 69 (84)	972 ± 65 (82)	606 ± 41 (81)
67nmhc	90-94	578 ± 36 (86)	830 ± 56 (86)	902 ± 60 (86)	914 ± 61 (87)	919 ± 60 (86)	861 ± 51 (87)	675 ± 39 (85)
67nmhc	95-98	491 ± 35 (70)	673 ± 44 (71)	673 ± 43 (70)	716 ± 46 (69)	675 ± 43 (69)	730 ± 49 (69)	607 ± 45 (70)
58hc_nox	1981	5.9 ± 0.5 (17)	5.5 ± 0.4 (18)	5.7 ± 0.4 (17)	5.9 ± 0.3 (18)	6.0 ± 0.3 (16)	5.3 ± 0.3 (17)	5.4 ± 0.3 (17)
58hc_nox	1982	7.0 ± 0.9 (16)	7.2 ± 0.9 (16)	6.4 ± 0.3 (17)	6.7 ± 0.5 (18)	6.3 ± 0.4 (17)	6.0 ± 0.3 (17)	6.2 ± 0.5 (16)
58hc_nox	1983	5.4 ± 0.4 (17)	6.7 ± 0.3 (17)	6.1 ± 0.2 (16)	6.1 ± 0.2 (18)	6.3 ± 0.2 (17)	6.4 ± 0.3 (17)	5.9 ± 0.4 (17)
58hc_nox	1984	6.4 ± 0.6 (18)	8.0 ± 0.5 (16)	6.5 ± 0.3 (15)	7.0 ± 0.6 (17)	7.4 ± 0.4 (17)	7.4 ± 0.3 (18)	6.7 ± 0.5 (18)
58hc_nox	1985	6.7 ± 0.5 (18)	6.8 ± 0.4 (18)	5.9 ± 0.3 (15)	5.8 ± 0.2 (17)	6.2 ± 0.3 (17)	6.1 ± 0.3 (16)	6.0 ± 0.3 (18)
58hc_nox	1986	4.7 ± 0.4 (17)	5.8 ± 0.4 (15)	5.7 ± 0.3 (15)	5.7 ± 0.2 (16)	5.7 ± 0.2 (16)	5.7 ± 0.3 (17)	5.3 ± 0.3 (16)
58hc_nox	1987	5.7 ± 0.7 (16)	6.3 ± 0.3 (17)	6.0 ± 0.2 (18)	6.1 ± 0.3 (18)	6.4 ± 0.4 (17)	6.3 ± 0.3 (17)	5.9 ± 0.7 (16)
58hc_nox	1988	6.6 ± 0.7 (17)	6.1 ± 0.3 (17)	5.7 ± 0.3 (15)	5.9 ± 0.2 (17)	6.0 ± 0.2 (17)	6.2 ± 0.3 (17)	6.3 ± 0.2 (17)
58hc_nox	1989	6.0 ± 1.3 (12)	5.5 ± 1.0 (11)	4.8 ± 0.5 (12)	4.3 ± 0.4 (15)	5.0 ± 0.6 (16)	5.4 ± 0.7 (14)	4.9 ± 0.5 (12)
58hc_nox	1990	5.7 ± 0.3 (18)	5.8 ± 0.4 (16)	5.8 ± 0.3 (17)	5.8 ± 0.4 (17)	6.1 ± 0.3 (17)	6.2 ± 0.3 (18)	6.2 ± 0.5 (18)
58hc_nox	1991	10.6 ± 1.8 (15)	7.7 ± 0.5 (14)	7.3 ± 0.5 (14)	6.8 ± 0.4 (16)	7.2 ± 0.4 (14)	7.4 ± 0.4 (14)	9.4 ± 0.8 (15)
58hc_nox	1992	9.8 ± 1.2 (17)	7.2 ± 0.4 (18)	7.5 ± 0.4 (18)	7.3 ± 0.4 (18)	7.8 ± 0.6 (17)	7.3 ± 0.5 (16)	8.4 ± 0.8 (17)
58hc_nox	1993	26.2 ± 8.8 (16)	10.3 ± 1.1 (16)	9.6 ± 0.8 (17)	9.3 ± 0.8 (17)	9.5 ± 0.7 (17)	9.9 ± 0.9 (17)	11.9 ± 1.3 (16)
58hc_nox	1994	10.9 ± 1.1 (17)	7.3 ± 0.4 (17)	6.5 ± 0.3 (16)	6.4 ± 0.4 (17)	6.4 ± 0.3 (17)	6.8 ± 0.5 (18)	7.7 ± 0.4 (17)
58hc_nox	1995	6.8 ± 0.8 (17)	5.7 ± 0.4 (17)	5.8 ± 0.6 (17)	6.0 ± 0.3 (17)	5.8 ± 0.3 (18)	5.7 ± 0.4 (18)	5.8 ± 0.5 (18)
58hc_nox	1996	7.3 ± 0.5 (11)	5.7 ± 0.2 (11)	5.1 ± 0.4 (9)	5.0 ± 0.3 (10)	5.5 ± 0.4 (10)	5.3 ± 0.2 (10)	5.8 ± 0.3 (11)
58hc_nox	1997	7.6 ± 0.7 (15)	6.0 ± 0.4 (15)	5.6 ± 0.5 (15)	5.1 ± 0.3 (13)	5.9 ± 0.4 (14)	6.2 ± 0.6 (13)	6.8 ± 0.6 (14)
58hc_nox	1998	8.7 ± 0.8 (17)	6.0 ± 0.6 (18)	6.7 ± 0.5 (18)	6.1 ± 0.3 (18)	5.9 ± 0.3 (17)	5.7 ± 0.3 (17)	7.3 ± 0.6 (17)
58hc_nox	81-84	6.2 ± 0.3 (68)	6.8 ± 0.3 (67)	6.2 ± 0.2 (65)	6.4 ± 0.2 (71)	6.5 ± 0.2 (67)	6.3 ± 0.2 (69)	6.1 ± 0.2 (68)
58hc_nox	84-89	5.9 ± 0.3 (80)	6.2 ± 0.2 (78)	5.7 ± 0.1 (75)	5.6 ± 0.1 (83)	5.9 ± 0.2 (83)	6.0 ± 0.2 (81)	5.7 ± 0.2 (79)
58hc_nox	90-94	9.2 ± 1.9 (83)	7.6 ± 0.3 (81)	7.4 ± 0.3 (82)	7.1 ± 0.3 (85)	7.4 ± 0.3 (82)	7.5 ± 0.3 (83)	8.6 ± 0.4 (83)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
58hc_nox	95-98	7.6 ± 0.4 (60)	5.8 ± 0.2 (61)	5.9 ± 0.3 (59)	5.7 ± 0.2 (58)	5.8 ± 0.2 (59)	5.8 ± 0.2 (58)	6.5 ± 0.3 (60)
maxo3hc_nox	1981	8.8 ± 0.6 (17)	8.0 ± 0.5 (17)	8.8 ± 0.5 (18)	7.7 ± 0.6 (18)	8.3 ± 0.4 (17)	9.2 ± 0.6 (16)	9.5 ± 0.5 (17)
maxo3hc_nox	1982	10.2 ± 1.0 (16)	9.0 ± 0.7 (17)	8.7 ± 0.5 (18)	10.0 ± 0.8 (17)	8.5 ± 0.5 (18)	8.9 ± 0.6 (16)	10.2 ± 0.4 (16)
maxo3hc_nox	1983	10.5 ± 0.6 (17)	9.3 ± 0.6 (17)	8.7 ± 0.9 (17)	9.9 ± 0.5 (18)	7.4 ± 0.6 (17)	9.4 ± 0.5 (18)	10.6 ± 0.6 (17)
maxo3hc_nox	1984	12.4 ± 2.5 (18)	11.0 ± 0.9 (16)	8.9 ± 0.8 (17)	10.9 ± 1.1 (17)	11.7 ± 0.8 (17)	12.6 ± 1.4 (18)	14.8 ± 3.3 (18)
maxo3hc_nox	1985	11.2 ± 0.5 (18)	10.0 ± 0.5 (16)	9.5 ± 0.8 (17)	9.3 ± 0.5 (17)	9.6 ± 0.4 (17)	8.7 ± 0.4 (17)	10.0 ± 0.4 (18)
maxo3hc_nox	1986	9.2 ± 0.7 (16)	7.6 ± 0.4 (16)	7.8 ± 0.6 (17)	6.7 ± 0.7 (17)	8.8 ± 0.7 (17)	8.3 ± 0.5 (16)	8.1 ± 0.7 (16)
maxo3hc_nox	1987	9.3 ± 0.7 (16)	8.9 ± 0.5 (17)	8.9 ± 0.8 (17)	7.4 ± 0.8 (17)	8.4 ± 0.5 (17)	7.4 ± 0.8 (17)	9.1 ± 0.7 (16)
maxo3hc_nox	1988	9.6 ± 0.8 (17)	8.4 ± 0.6 (16)	7.2 ± 0.7 (16)	8.3 ± 0.3 (17)	7.5 ± 0.3 (17)	9.2 ± 0.4 (18)	10.0 ± 0.4 (17)
maxo3hc_nox	1989	8.2 ± 1.3 (12)	7.5 ± 1.0 (9)	7.5 ± 1.1 (12)	6.5 ± 0.9 (14)	8.0 ± 0.6 (15)	7.1 ± 0.8 (15)	8.5 ± 1.3 (12)
maxo3hc_nox	1990	12.7 ± 1.2 (18)	9.7 ± 0.5 (17)	9.2 ± 0.6 (17)	7.6 ± 0.6 (17)	8.6 ± 0.5 (16)	10.3 ± 0.8 (18)	11.3 ± 1.0 (18)
maxo3hc_nox	1991	14.1 ± 1.2 (15)	9.9 ± 0.8 (17)	10.4 ± 1.0 (17)	10.7 ± 0.8 (16)	11.8 ± 1.0 (15)	10.0 ± 1.0 (14)	14.8 ± 1.1 (15)
maxo3hc_nox	1992	17.3 ± 1.9 (17)	15.8 ± 2.1 (18)	12.4 ± 0.7 (17)	12.5 ± 0.9 (18)	15.6 ± 2.4 (16)	12.7 ± 0.9 (17)	15.7 ± 1.1 (17)
maxo3hc_nox	1993	26.8 ± 2.6 (14)	19.1 ± 2.5 (16)	15.2 ± 0.9 (16)	18.8 ± 2.0 (17)	19.7 ± 1.8 (17)	19.8 ± 2.2 (16)	24.7 ± 2.6 (16)
maxo3hc_nox	1994	17.9 ± 2.0 (17)	12.1 ± 0.6 (17)	11.2 ± 0.5 (16)	10.9 ± 1.0 (17)	12.0 ± 0.5 (18)	12.3 ± 0.5 (17)	15.7 ± 0.8 (17)
maxo3hc_nox	1995	11.5 ± 0.8 (17)	9.3 ± 0.6 (17)	9.8 ± 0.7 (17)	10.3 ± 0.5 (17)	10.2 ± 0.5 (18)	9.8 ± 0.5 (18)	11.3 ± 0.8 (18)
maxo3hc_nox	1996	10.7 ± 0.4 (11)	8.8 ± 0.6 (11)	8.6 ± 0.9 (10)	8.2 ± 0.5 (10)	9.2 ± 0.7 (10)	8.6 ± 0.7 (10)	10.7 ± 0.6 (11)
maxo3hc_nox	1997	11.6 ± 1.3 (15)	9.3 ± 1.0 (13)	8.8 ± 0.9 (15)	8.9 ± 0.5 (14)	9.0 ± 1.0 (14)	8.6 ± 0.7 (13)	10.7 ± 0.9 (13)
maxo3hc_nox	1998	14.4 ± 1.3 (17)	10.3 ± 0.9 (18)	10.8 ± 0.6 (17)	10.1 ± 0.4 (18)	10.6 ± 0.4 (17)	11.1 ± 0.7 (17)	13.4 ± 1.1 (17)
maxo3hc_nox	81-84	10.5 ± 0.7 (68)	9.3 ± 0.4 (67)	8.8 ± 0.3 (70)	9.6 ± 0.4 (70)	9.0 ± 0.3 (69)	10.1 ± 0.5 (68)	11.3 ± 0.9 (68)
maxo3hc_nox	84-89	9.6 ± 0.4 (79)	8.6 ± 0.3 (74)	8.2 ± 0.3 (79)	7.7 ± 0.3 (82)	8.5 ± 0.2 (83)	8.2 ± 0.3 (83)	9.2 ± 0.3 (79)
maxo3hc_nox	90-94	15.5 ± 0.9 (81)	11.9 ± 0.8 (85)	10.8 ± 0.4 (83)	10.4 ± 0.7 (85)	12.0 ± 0.8 (82)	11.3 ± 0.7 (82)	14.4 ± 0.8 (83)
maxo3hc_nox	95-98	12.2 ± 0.6 (60)	9.5 ± 0.4 (59)	9.7 ± 0.4 (59)	9.6 ± 0.3 (59)	9.8 ± 0.3 (59)	9.7 ± 0.3 (58)	11.7 ± 0.5 (59)
tno=o3	1981	7.8 ± 0.2 (14)	8.4 ± 0.2 (14)	8.5 ± 0.2 (13)	8.4 ± 0.2 (15)	8.3 ± 0.7 (3)	8.4 ± 0.2 (14)	7.9 ± 0.2 (15)
tno=o3	1982	7.5 ± 0.2 (13)	9.0 ± 0.3 (14)	8.4 ± 0.3 (9)	9.0 ± 0.2 (14)	9.0 ± 0.4 (14)	8.9 ± 0.1 (14)	8.7 ± 0.3 (13)
tno=o3	1983	7.7 ± 0.3 (14)	8.7 ± 0.2 (15)	8.4 ± 0.2 (10)	8.7 ± 0.3 (14)	9.1 ± 0.3 (13)	8.7 ± 0.1 (13)	8.2 ± 0.2 (16)
tno=o3	1984	7.3 ± 0.3 (13)	8.8 ± 0.4 (11)	8.6 ± 0.3 (11)	9.0 ± 0.4 (12)	8.4 ± 0.1 (13)	8.8 ± 0.1 (16)	7.7 ± 0.2 (18)
tno=o3	1985	7.8 ± 0.3 (16)	8.5 ± 0.2 (9)	8.8 ± 0.3 (10)	8.8 ± 0.1 (15)	8.8 ± 0.3 (16)	8.9 ± 0.2 (16)	8.1 ± 0.1 (17)
tno=o3	1986	7.8 ± 0.2 (14)	8.7 ± 0.2 (11)	9.0 ± 0.2 (10)	8.9 ± 0.1 (14)	9.0 ± 0.1 (14)	8.9 ± 0.1 (14)	8.1 ± 0.2 (16)
tno=o3	1987	7.9 ± 0.2 (12)	8.3 ± 0.3 (10)	9.1 ± 0.2 (6)	8.5 ± 0.3 (15)	9.1 ± 0.2 (16)	9.0 ± 0.3 (12)	7.4 ± 0.3 (15)
tno=o3	1988	7.6 ± 0.3 (11)	8.9 ± 0.3 (15)	8.9 ± 0.4 (9)	9.0 ± 0.2 (11)	9.0 ± 0.2 (16)	9.0 ± 0.2 (16)	7.8 ± 0.3 (17)
tno=o3	1989	7.8 ± 0.3 (13)	9.1 ± 0.2 (12)	9.2 ± 0.3 (8)	9.3 ± 0.3 (15)	9.1 ± 0.2 (14)	9.0 ± 0.3 (15)	8.6 ± 0.3 (16)
tno=o3	1990	7.7 ± 0.2 (16)	8.5 ± 0.2 (17)	8.8 ± 0.3 (16)	8.7 ± 0.3 (17)	8.7 ± 0.2 (16)	8.2 ± 0.2 (18)	8.2 ± 0.1 (16)
tno=o3	1991	8.4 ± 0.3 (10)	8.7 ± 0.5 (11)	9.4 ± 0.2 (13)	9.5 ± 0.2 (13)	9.1 ± 0.3 (13)	9.8 ± 0.3 (11)	8.3 ± 0.3 (13)
tno=o3	1992	7.4 ± 0.2 (15)	9.1 ± 0.3 (18)	9.4 ± 0.2 (17)	9.0 ± 0.2 (14)	8.9 ± 0.3 (15)	9.3 ± 0.3 (16)	8.1 ± 0.3 (16)
tno=o3	1993	7.6 ± 0.9 (5)	8.9 ± 0.3 (11)	9.0 ± 0.3 (14)	8.9 ± 0.2 (17)	8.7 ± 0.2 (15)	8.7 ± 0.2 (14)	8.0 ± 0.5 (12)
tno=o3	1994	7.4 ± 0.4 (10)	8.7 ± 0.2 (16)	9.0 ± 0.2 (15)	8.9 ± 0.3 (17)	9.1 ± 0.3 (15)	9.2 ± 0.2 (15)	8.3 ± 0.1 (17)
tno=o3	1995	8.3 ± 0.3 (14)	9.3 ± 0.2 (16)	9.2 ± 0.4 (15)	9.3 ± 0.2 (16)	9.2 ± 0.2 (16)	9.3 ± 0.2 (18)	8.8 ± 0.1 (16)
tno=o3	1996	8.7 ± 0.2 (8)	9.4 ± 0.4 (10)	9.7 ± 0.3 (9)	9.2 ± 0.3 (10)	9.7 ± 0.3 (8)	9.4 ± 0.2 (9)	9.1 ± 0.2 (10)
tno=o3	1997	8.3 ± 0.4 (9)	8.5 ± 0.5 (14)	9.4 ± 0.5 (14)	9.2 ± 0.3 (13)	9.3 ± 0.3 (11)	8.9 ± 0.4 (10)	9.0 ± 0.3 (7)
tno=o3	1998	7.8 ± 0.4 (10)	9.5 ± 0.3 (16)	9.3 ± 0.2 (15)	9.2 ± 0.2 (18)	9.1 ± 0.3 (16)	9.5 ± 0.2 (16)	8.5 ± 0.2 (15)
tno=o3	81-84	7.6 ± 0.1 (54)	8.7 ± 0.1 (54)	8.5 ± 0.1 (43)	8.8 ± 0.1 (55)	8.8 ± 0.2 (43)	8.7 ± 0.1 (57)	8.1 ± 0.1 (62)
tno=o3	84-89	7.8 ± 0.1 (66)	8.7 ± 0.1 (57)	9.0 ± 0.1 (43)	8.9 ± 0.1 (70)	9.0 ± 0.1 (76)	9.0 ± 0.1 (73)	8.0 ± 0.1 (81)
tno=o3	90-94	7.7 ± 0.1 (56)	8.8 ± 0.1 (73)	9.1 ± 0.1 (75)	9.0 ± 0.1 (78)	8.9 ± 0.1 (74)	9.0 ± 0.1 (74)	8.2 ± 0.1 (74)
tno=o3	95-98	8.3 ± 0.2 (41)	9.2 ± 0.2 (56)	9.4 ± 0.2 (53)	9.2 ± 0.1 (57)	9.3 ± 0.1 (51)	9.3 ± 0.1 (53)	8.8 ± 0.1 (48)
to3max	1981	11.8 ± 0.3 (17)	11.9 ± 0.4 (18)	11.9 ± 0.4 (17)	11.7 ± 0.3 (18)	11.4 ± 0.2 (17)	12.1 ± 0.3 (17)	11.7 ± 0.4 (17)
to3max	1982	12.1 ± 0.2 (17)	12.2 ± 0.3 (17)	12.1 ± 0.3 (17)	11.8 ± 0.3 (17)	11.6 ± 0.3 (18)	12.6 ± 0.3 (16)	12.2 ± 0.4 (17)
to3max	1983	12.6 ± 0.3 (17)	11.9 ± 0.3 (16)	12.5 ± 0.4 (17)	12.4 ± 0.3 (18)	11.8 ± 0.4 (17)	12.3 ± 0.3 (16)	12.5 ± 0.2 (17)
to3max	1984	12.0 ± 0.3 (17)	11.8 ± 0.3 (17)	11.6 ± 0.3 (16)	11.8 ± 0.4 (17)	11.8 ± 0.3 (17)	12.2 ± 0.4 (18)	11.5 ± 0.2 (18)
to3max	1985	11.8 ± 0.3 (18)	12.0 ± 0.4 (18)	12.1 ± 0.3 (17)	11.8 ± 0.2 (17)	12.1 ± 0.4 (17)	11.8 ± 0.3 (17)	11.6 ± 0.3 (18)
to3max	1986	11.9 ± 0.3 (18)	11.7 ± 0.3 (18)	11.6 ± 0.3 (18)	11.1 ± 0.8 (17)	12.4 ± 0.3 (17)	12.1 ± 0.5 (17)	11.8 ± 0.3 (17)
to3max	1987	11.4 ± 0.1 (17)	12.1 ± 0.4 (18)	12.4 ± 0.4 (18)	12.2 ± 0.3 (18)	12.2 ± 0.4 (17)	11.4 ± 0.7 (17)	11.4 ± 0.7 (17)
to3max	1988	11.7 ± 0.3 (17)	11.8 ± 0.2 (17)	11.2 ± 0.8 (17)	11.9 ± 0.3 (18)	11.5 ± 0.4 (18)	11.8 ± 0.3 (18)	12.1 ± 0.2 (17)
to3max	1989	11.2 ± 0.2 (17)	12.2 ± 0.3 (17)	12.2 ± 0.5 (17)	12.5 ± 0.3 (17)	12.2 ± 0.3 (18)	12.8 ± 0.3 (18)	12.6 ± 0.3 (18)
to3max	1990	11.7 ± 0.3 (18)	11.8 ± 0.3 (17)	11.6 ± 0.3 (17)	11.3 ± 0.6 (17)	12.9 ± 0.3 (17)	12.9 ± 0.5 (18)	11.9 ± 0.3 (18)
to3max	1991	11.9 ± 0.2 (17)	12.8 ± 0.3 (18)	12.4 ± 0.4 (17)	12.9 ± 0.2 (17)	12.8 ± 0.3 (16)	13.0 ± 0.3 (17)	12.4 ± 0.3 (17)
to3max	1992	11.8 ± 0.2 (17)	12.3 ± 0.5 (18)	12.1 ± 0.3 (18)	12.7 ± 0.4 (18)	12.6 ± 0.3 (17)	11.4 ± 0.7 (17)	12.1 ± 0.3 (17)
to3max	1993	12.0 ± 0.3 (17)	12.3 ± 0.4 (16)	12.3 ± 0.3 (18)	12.6 ± 0.3 (18)	12.5 ± 0.4 (17)	12.3 ± 0.2 (16)	12.8 ± 0.3 (17)
to3max	1994	11.8 ± 0.2 (17)	12.8 ± 0.4 (17)	12.8 ± 0.3 (17)	11.4 ± 0.7 (18)	12.7 ± 0.3 (18)	12.7 ± 0.3 (18)	12.0 ± 0.2 (17)
to3max	1995	12.6 ± 0.4 (17)	13.4 ± 0.4 (17)	13.2 ± 0.4 (17)	13.1 ± 0.3 (17)	13.3 ± 0.4 (17)	13.2 ± 0.5 (18)	13.3 ± 0.4 (18)
to3max	1996	12.7 ± 0.3 (18)	13.4 ± 0.3 (18)	13.6 ± 0.4 (17)	13.5 ± 0.3 (17)	13.6 ± 0.3 (17)	12.6 ± 0.2 (18)	
to3max	1997	13.1 ± 0.3 (18)	13.6 ± 0.3 (18)	13.8 ± 0.8 (18)	12.9 ± 0.3 (17)	12.7 ± 0.8 (17)	13.6 ± 0.3 (17)	13.8 ± 0.4 (17)
to3max	1998	12.6 ± 0.3 (17)	13.8 ± 0.4 (18)	13.4 ± 0.6 (18)	13.9 ± 0.3 (18)	13.8 ± 0.3 (17)	14.3 ± 0.3 (17)	13.9 ± 0.2 (17)
to3max	81-84	12.1 ± 0.1 (68)	12.0 ± 0.2 (68)	12.0 ± 0.2 (67)	11.9 ± 0.2 (70)	11.6 ± 0.2 (69)	12.3 ± 0.2 (67)	12.0 ± 0.2 (69)
to3max	84-89	11.6 ± 0.1 (87)	11.9 ± 0.1 (88)	11.9 ± 0.2 (87)	11.9 ± 0.2 (87)	12.1 ± 0.2 (87)	12.0 ± 0.2 (87)	11.9 ± 0.2 (87)
to3max	90-94	11.8 ± 0.1 (86)	12.4 ± 0.2 (86)	12.2 ± 0.1 (87)	12.2 ± 0.2 (88)	12.7 ± 0.1 (85)	12.5 ± 0.2 (86)	12.2 ± 0.1 (86)
to3max	95-98	12.8 ± 0.2 (70)	13.5 ± 0.2 (71)	13.5 ± 0.3 (70)	13.4 ± 0.2 (69)	13.3 ± 0.2 (68)	13.7 ± 0.2 (69)	13.4 ± 0.2 (70)
to3acc	1981	4.1 ± 0.4 (14)	3.7 ± 0.5 (14)	3.6 ± 0.5 (13)	3.4 ± 0.4 (15)	3.0 ± 1.1 (3)	4.0 ± 0.4 (14)	3.7 ± 0.4 (15)
to3acc	1982	4.3 ± 0.3 (13)	3.3 ± 0.3 (14)	3.6 ± 0.3 (8)	2.7 ± 0.2 (14)	2.8 ± 0.6 (14)	3.5 ± 0.3 (14)	3.3 ± 0.4 (13)
to3acc	1983	4.7 ± 0.4 (14)	3.1 ± 0.3 (14)	4.0 ± 0.4 (10)	3.5 ± 0.2 (14)	2.2 ± 0.3 (13)	3.5 ± 0.3 (13)	4.2 ± 0.3 (16)
to3acc	1984	4.6 ± 0.4 (13)	2.5 ± 0.4 (11)	3.0 ± 0.4 (11)	2.8 ± 0.5 (12)	3.2 ± 0.4 (13)	3.5 ± 0.4 (16)	3.8 ± 0.2 (18)
to3acc	1985	4.1 ± 0.4 (16)	3.8 ± 0.4 (9)	2.9 ± 0.4 (10)	2.8 ± 0.2 (15)	3.3 ± 0.6 (16)	2.9 ± 0.3 (16)	3.4 ± 0.3 (17)
to3acc	1986	4.1 ± 0.4 (14)	2.8 ± 0.3 (11)	2.4 ± 0.1 (10)	3.1 ± 0.4 (14)	3.2 ± 0.3 (14)	2.9 ± 0.4 (14)	3.7 ± 0.4 (16)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
to3acc	1987	3.4 ± 0.3 (12)	3.5 ± 0.4 (10)	2.2 ± 0.2 (6)	3.3 ± 0.4 (15)	3.0 ± 0.4 (16)	2.9 ± 0.2 (12)	3.8 ± 0.8 (15)
to3acc	1988	3.7 ± 0.3 (11)	2.8 ± 0.4 (15)	1.6 ± 1.1 (9)	2.6 ± 0.3 (11)	2.8 ± 0.3 (16)	2.5 ± 0.2 (16)	4.3 ± 0.4 (17)
to3acc	1989	3.4 ± 0.5 (13)	3.1 ± 0.4 (12)	3.2 ± 0.5 (8)	3.2 ± 0.4 (15)	3.2 ± 0.3 (14)	3.5 ± 0.4 (15)	3.8 ± 0.5 (16)
to3acc	1990	3.8 ± 0.3 (16)	3.3 ± 0.3 (17)	2.7 ± 0.4 (16)	2.6 ± 0.6 (17)	4.1 ± 0.4 (16)	4.6 ± 0.6 (18)	3.7 ± 0.4 (16)
to3acc	1991	3.4 ± 0.3 (10)	3.6 ± 0.6 (11)	3.2 ± 0.4 (13)	3.4 ± 0.2 (13)	3.9 ± 0.3 (13)	3.0 ± 0.3 (11)	3.9 ± 0.3 (13)
to3acc	1992	4.4 ± 0.3 (15)	3.2 ± 0.5 (18)	2.8 ± 0.3 (17)	3.8 ± 0.5 (14)	3.5 ± 0.4 (15)	2.0 ± 1.0 (16)	3.8 ± 0.4 (16)
to3acc	1993	4.2 ± 0.9 (5)	3.4 ± 0.6 (11)	3.3 ± 0.4 (14)	3.8 ± 0.3 (17)	3.5 ± 0.5 (14)	3.4 ± 0.2 (14)	4.7 ± 0.8 (12)
to3acc	1994	4.1 ± 0.5 (10)	4.1 ± 0.5 (16)	3.8 ± 0.4 (15)	2.4 ± 0.9 (17)	3.7 ± 0.4 (15)	3.4 ± 0.3 (15)	3.7 ± 0.3 (17)
to3acc	1995	4.3 ± 0.6 (14)	4.2 ± 0.5 (16)	3.9 ± 0.5 (15)	3.7 ± 0.3 (16)	4.0 ± 0.4 (16)	3.9 ± 0.4 (18)	4.4 ± 0.4 (16)
to3acc	1996	4.0 ± 0.4 (8)	4.2 ± 0.4 (10)	4.0 ± 0.5 (9)	4.2 ± 0.3 (10)	3.9 ± 0.5 (8)	3.8 ± 0.5 (9)	3.5 ± 0.3 (10)
to3acc	1997	5.5 ± 0.5 (9)	5.1 ± 0.7 (14)	4.4 ± 1.3 (14)	3.6 ± 0.6 (13)	4.2 ± 0.4 (11)	4.5 ± 0.7 (10)	4.6 ± 0.8 (7)
to3acc	1998	5.2 ± 0.4 (10)	4.3 ± 0.4 (16)	3.9 ± 0.7 (15)	4.7 ± 0.3 (18)	4.7 ± 0.5 (16)	4.7 ± 0.3 (16)	5.4 ± 0.3 (15)
to3acc	81-84	4.4 ± 0.2 (54)	3.2 ± 0.2 (53)	3.6 ± 0.2 (42)	3.1 ± 0.2 (55)	2.7 ± 0.3 (43)	3.6 ± 0.2 (57)	3.8 ± 0.2 (62)
to3acc	84-89	3.8 ± 0.2 (66)	3.1 ± 0.2 (57)	2.5 ± 0.3 (43)	3.0 ± 0.2 (70)	3.1 ± 0.2 (76)	2.9 ± 0.2 (73)	3.8 ± 0.2 (81)
to3acc	90-94	4.0 ± 0.2 (56)	3.5 ± 0.2 (73)	3.2 ± 0.2 (75)	3.2 ± 0.3 (78)	3.7 ± 0.2 (73)	3.3 ± 0.3 (74)	3.9 ± 0.2 (74)
to3acc	95-98	4.7 ± 0.3 (41)	4.4 ± 0.3 (56)	4.1 ± 0.4 (53)	4.1 ± 0.2 (57)	4.3 ± 0.2 (51)	4.2 ± 0.2 (53)	4.6 ± 0.2 (48)
o3rate	1981	26.6 ± 2.4 (14)	25.0 ± 3.4 (14)	24.6 ± 3.3 (13)	27.5 ± 4.2 (15)	40.7 ± 5.9 (3)	30.8 ± 4.0 (14)	29.9 ± 4.2 (15)
o3rate	1982	21.1 ± 2.4 (13)	18.6 ± 2.5 (14)	18.6 ± 2.6 (8)	23.9 ± 4.2 (14)	26.1 ± 5.6 (14)	28.3 ± 2.9 (14)	35.4 ± 6.4 (13)
o3rate	1983	29.0 ± 4.7 (14)	36.5 ± 5.2 (14)	33.6 ± 4.7 (10)	24.5 ± 2.9 (14)	34.9 ± 5.5 (12)	27.0 ± 4.6 (13)	24.7 ± 3.7 (16)
o3rate	1984	25.9 ± 4.1 (13)	34.9 ± 6.1 (11)	31.0 ± 4.6 (11)	30.3 ± 6.0 (12)	25.4 ± 3.9 (13)	24.3 ± 3.1 (16)	24.9 ± 2.4 (18)
o3rate	1985	25.8 ± 4.6 (16)	19.3 ± 3.7 (9)	22.0 ± 4.9 (10)	33.6 ± 4.2 (15)	22.4 ± 2.8 (16)	29.1 ± 3.6 (16)	31.8 ± 3.6 (17)
o3rate	1986	26.1 ± 2.9 (14)	28.2 ± 3.5 (11)	24.9 ± 3.7 (10)	26.5 ± 3.0 (14)	20.1 ± 2.4 (14)	34.1 ± 7.5 (14)	28.0 ± 3.8 (16)
o3rate	1987	29.8 ± 3.8 (12)	23.7 ± 4.1 (10)	26.5 ± 4.1 (6)	24.3 ± 4.6 (15)	24.5 ± 4.8 (16)	26.6 ± 4.1 (12)	19.7 ± 3.7 (15)
o3rate	1988	21.6 ± 4.1 (11)	17.2 ± 2.2 (15)	17.6 ± 3.8 (9)	23.2 ± 4.9 (11)	24.6 ± 4.0 (16)	28.3 ± 3.6 (16)	21.2 ± 3.2 (17)
o3rate	1989	27.5 ± 4.5 (13)	15.5 ± 3.6 (12)	18.5 ± 4.8 (8)	25.5 ± 3.7 (15)	22.4 ± 3.0 (14)	23.5 ± 3.3 (15)	22.9 ± 3.5 (16)
o3rate	1990	21.1 ± 2.2 (16)	20.1 ± 2.4 (17)	21.6 ± 3.7 (16)	21.8 ± 4.5 (17)	15.7 ± 1.9 (16)	21.1 ± 3.9 (18)	24.4 ± 3.1 (16)
o3rate	1991	25.5 ± 3.8 (10)	22.7 ± 5.0 (11)	20.9 ± 2.7 (13)	14.2 ± 1.7 (13)	15.8 ± 2.3 (13)	22.7 ± 3.5 (11)	21.3 ± 2.8 (13)
o3rate	1992	19.7 ± 2.5 (15)	17.5 ± 3.0 (18)	18.6 ± 1.8 (17)	14.4 ± 1.7 (14)	20.6 ± 3.2 (15)	17.1 ± 2.5 (16)	24.6 ± 4.0 (16)
o3rate	1993	22.6 ± 4.9 (5)	14.1 ± 3.1 (11)	14.6 ± 2.5 (14)	16.5 ± 2.5 (17)	16.6 ± 3.0 (14)	15.3 ± 1.5 (14)	18.8 ± 3.0 (12)
o3rate	1994	25.5 ± 5.2 (10)	17.1 ± 2.8 (16)	18.3 ± 3.5 (15)	21.6 ± 3.7 (17)	20.2 ± 3.8 (15)	21.0 ± 4.2 (15)	24.4 ± 2.2 (17)
o3rate	1995	18.2 ± 2.4 (14)	15.3 ± 1.9 (16)	16.1 ± 2.1 (15)	19.1 ± 5.1 (16)	14.7 ± 2.4 (16)	14.4 ± 2.6 (18)	18.2 ± 2.1 (16)
o3rate	1996	15.4 ± 3.4 (8)	10.4 ± 1.7 (10)	14.6 ± 6.4 (9)	13.2 ± 2.9 (10)	13.0 ± 1.8 (8)	13.0 ± 2.7 (9)	15.4 ± 2.3 (10)
o3rate	1997	13.6 ± 2.4 (9)	10.1 ± 1.6 (14)	8.2 ± 1.3 (14)	13.4 ± 2.4 (13)	10.5 ± 2.0 (11)	7.5 ± 1.4 (10)	13.3 ± 3.9 (7)
o3rate	1998	12.6 ± 2.2 (10)	9.3 ± 1.2 (16)	9.4 ± 1.5 (15)	7.4 ± 1.0 (18)	9.0 ± 1.8 (16)	9.6 ± 1.6 (16)	10.1 ± 1.5 (15)
o3rate	81-84	25.7 ± 1.8 (54)	28.4 ± 2.4 (53)	27.3 ± 2.1 (42)	26.5 ± 2.1 (55)	29.4 ± 2.8 (42)	27.5 ± 1.8 (57)	28.3 ± 2.1 (62)
o3rate	84-89	26.2 ± 1.8 (66)	20.4 ± 1.6 (57)	21.7 ± 1.9 (43)	26.8 ± 1.8 (70)	22.9 ± 1.6 (76)	28.3 ± 2.0 (73)	24.8 ± 1.6 (81)
o3rate	90-94	22.4 ± 1.5 (56)	18.3 ± 1.4 (73)	18.8 ± 1.3 (75)	18.0 ± 1.5 (78)	17.8 ± 1.3 (73)	19.4 ± 1.5 (74)	23.0 ± 1.4 (74)
o3rate	95-98	15.3 ± 1.3 (41)	11.4 ± 0.9 (56)	11.8 ± 1.4 (53)	13.1 ± 1.7 (57)	11.7 ± 1.1 (51)	11.4 ± 1.2 (53)	14.4 ± 1.2 (48)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
o3max	1981	126 ± 7 (17)	134 ± 8 (18)	130 ± 12 (18)	144 ± 12 (17)	149 ± 11 (17)	145 ± 11 (17)	154 ± 10 (17)
o3max	1982	107 ± 10 (17)	117 ± 10 (17)	106 ± 9 (18)	96 ± 10 (18)	114 ± 10 (18)	131 ± 11 (17)	112 ± 13 (17)
o3max	1983	118 ± 8 (17)	133 ± 12 (17)	141 ± 12 (17)	124 ± 12 (18)	96 ± 10 (18)	109 ± 13 (18)	122 ± 10 (17)
o3max	1984	108 ± 10 (18)	116 ± 9 (17)	123 ± 11 (17)	134 ± 12 (17)	138 ± 12 (17)	131 ± 12 (18)	118 ± 9 (18)
o3max	1985	113 ± 10 (18)	109 ± 11 (18)	105 ± 10 (17)	125 ± 14 (17)	107 ± 11 (17)	120 ± 10 (17)	122 ± 13 (18)
o3max	1986	111 ± 6 (18)	113 ± 10 (18)	113 ± 10 (18)	119 ± 13 (17)	122 ± 10 (17)	119 ± 10 (17)	125 ± 11 (17)
o3max	1987	111 ± 9 (17)	107 ± 7 (18)	129 ± 10 (18)	123 ± 10 (18)	121 ± 8 (17)	114 ± 9 (17)	112 ± 10 (17)
o3max	1988	119 ± 7 (17)	109 ± 8 (17)	121 ± 9 (17)	117 ± 11 (18)	131 ± 7 (18)	143 ± 10 (18)	125 ± 10 (17)
o3max	1989	106 ± 7 (17)	106 ± 8 (17)	122 ± 10 (17)	133 ± 14 (16)	121 ± 9 (17)	104 ± 7 (17)	103 ± 7 (18)
o3max	1990	104 ± 7 (18)	102 ± 8 (17)	99 ± 7 (17)	104 ± 9 (17)	116 ± 8 (17)	114 ± 10 (18)	106 ± 8 (18)
o3max	1991	118 ± 7 (18)	98 ± 10 (18)	109 ± 8 (17)	106 ± 11 (17)	111 ± 8 (17)	118 ± 12 (17)	112 ± 8 (18)
o3max	1992	96 ± 9 (17)	89 ± 8 (18)	90 ± 6 (18)	94 ± 7 (18)	103 ± 7 (17)	92 ± 7 (17)	98 ± 9 (17)
o3max	1993	96 ± 8 (17)	85 ± 6 (17)	89 ± 5 (18)	107 ± 9 (18)	113 ± 10 (18)	102 ± 8 (17)	108 ± 9 (17)
o3max	1994	85 ± 3 (17)	82 ± 4 (17)	84 ± 4 (17)	86 ± 5 (18)	85 ± 5 (18)	89 ± 4 (18)	91 ± 3 (17)
o3max	1995	83 ± 4 (17)	82 ± 6 (17)	83 ± 7 (17)	80 ± 6 (17)	75 ± 7 (18)	79 ± 7 (18)	89 ± 7 (18)
o3max	1996	92 ± 4 (18)	86 ± 6 (18)	87 ± 6 (17)	88 ± 6 (17)	93 ± 10 (17)	84 ± 7 (17)	88 ± 4 (18)
o3max	1997	69 ± 4 (18)	65 ± 3 (18)	62 ± 6 (18)	69 ± 5 (17)	61 ± 5 (17)	63 ± 5 (17)	67 ± 4 (17)
o3max	1998	78 ± 7 (17)	69 ± 7 (18)	66 ± 7 (18)	62 ± 6 (18)	63 ± 7 (17)	69 ± 9 (17)	76 ± 7 (17)
o3max	81-84	115 ± 4 (69)	125 ± 5 (69)	125 ± 6 (70)	124 ± 6 (70)	124 ± 6 (70)	129 ± 6 (70)	126 ± 6 (69)
o3max	84-89	112 ± 4 (87)	109 ± 4 (88)	118 ± 4 (87)	123 ± 5 (86)	121 ± 4 (86)	120 ± 4 (86)	117 ± 5 (87)
o3max	90-94	100 ± 3 (87)	91 ± 3 (87)	94 ± 3 (87)	99 ± 4 (88)	105 ± 4 (87)	103 ± 4 (87)	103 ± 3 (87)
o3max	95-98	80 ± 3 (70)	75 ± 3 (71)	74 ± 3 (70)	75 ± 3 (69)	73 ± 4 (69)	74 ± 4 (69)	80 ± 3 (70)
34no2	1981	46 ± 5 (17)	43 ± 5 (18)	45 ± 5 (18)	41 ± 3 (17)	48 ± 4 (17)	47 ± 4 (17)	54 ± 4 (17)
34no2	1982	49 ± 6 (16)	44 ± 5 (16)	44 ± 6 (16)	48 ± 5 (17)	46 ± 5 (17)	49 ± 5 (16)	51 ± 6 (17)
34no2	1983	51 ± 4 (17)	48 ± 5 (17)	54 ± 6 (17)	50 ± 5 (17)	44 ± 3 (18)	43 ± 3 (18)	48 ± 4 (17)
34no2	1984	36 ± 5 (18)	34 ± 4 (17)	35 ± 5 (17)	37 ± 3 (17)	41 ± 3 (17)	42 ± 4 (18)	43 ± 4 (18)
34no2	1985	49 ± 4 (18)	38 ± 4 (18)	40 ± 3 (17)	39 ± 4 (17)	43 ± 5 (17)	45 ± 4 (17)	49 ± 5 (18)
34no2	1986	32 ± 5 (18)	24 ± 4 (18)	21 ± 4 (18)	23 ± 3 (16)	22 ± 4 (17)	25 ± 4 (17)	26 ± 3 (17)
34no2	1987	41 ± 3 (17)	41 ± 4 (18)	40 ± 3 (18)	43 ± 3 (18)	41 ± 3 (17)	43 ± 4 (17)	42 ± 3 (17)
34no2	1988	36 ± 5 (16)	34 ± 4 (16)	32 ± 4 (16)	37 ± 4 (16)	41 ± 5 (16)	37 ± 4 (17)	38 ± 4 (16)
34no2	1989	37 ± 4 (17)	39 ± 4 (17)	33 ± 3 (17)	46 ± 4 (16)	42 ± 5 (16)	39 ± 3 (17)	38 ± 3 (17)
34no2	1990	38 ± 2 (18)	36 ± 4 (17)	36 ± 2 (17)	31 ± 3 (17)	37 ± 4 (17)	37 ± 3 (18)	41 ± 2 (18)
34no2	1991	38 ± 3 (17)	35 ± 4 (17)	39 ± 4 (17)	35 ± 3 (17)	36 ± 4 (17)	38 ± 5 (16)	38 ± 4 (18)
34no2	1992	35 ± 4 (17)	34 ± 3 (18)	34 ± 3 (18)	34 ± 2 (18)	39 ± 3 (17)	32 ± 4 (17)	35 ± 3 (17)
34no2	1993	29 ± 4 (17)	28 ± 4 (17)	33 ± 5 (18)	34 ± 4 (18)	32 ± 4 (18)	32 ± 4 (17)	33 ± 4 (17)
34no2	1994	43 ± 5 (16)	36 ± 5 (16)	41 ± 4 (16)	40 ± 4 (18)	44 ± 5 (18)	47 ± 5 (17)	43 ± 4 (16)
34no2	1995	36 ± 2 (17)	35 ± 3 (17)	34 ± 3 (17)	35 ± 4 (17)	33 ± 4 (18)	41 ± 5 (18)	34 ± 3 (18)
34no2	1996	35 ± 3 (16)	31 ± 3 (15)	32 ± 3 (14)	34 ± 4 (14)	36 ± 5 (14)	39 ± 4 (15)	38 ± 4 (16)
34no2	1997	24 ± 3 (18)	28 ± 3 (18)	29 ± 3 (18)	30 ± 3 (17)	24 ± 3 (17)	24 ± 4 (17)	20 ± 3 (17)
34no2	1998	30 ± 4 (17)	28 ± 4 (17)	27 ± 4 (17)	27 ± 4 (17)	30 ± 3 (16)	26 ± 3 (16)	30 ± 4 (16)
34no2	81-84	45 ± 3 (68)	42 ± 2 (68)	44 ± 3 (68)	44 ± 2 (68)	45 ± 2 (69)	45 ± 2 (69)	49 ± 2 (69)
34no2	84-89	39 ± 2 (86)	35 ± 2 (87)	33 ± 2 (86)	38 ± 2 (83)	38 ± 2 (83)	38 ± 2 (85)	39 ± 2 (85)
34no2	90-94	37 ± 2 (85)	34 ± 2 (85)	37 ± 2 (86)	35 ± 1 (88)	38 ± 2 (87)	37 ± 2 (85)	38 ± 2 (86)
34no2	95-98	31 ± 2 (68)	30 ± 2 (67)	31 ± 2 (66)	32 ± 2 (65)	31 ± 2 (65)	32 ± 2 (66)	30 ± 2 (67)
34no	1981	77 ± 15 (17)	42 ± 10 (18)	43 ± 8 (18)	35 ± 8 (17)	35 ± 8 (17)	43 ± 8 (17)	69 ± 13 (17)
34no	1982	55 ± 11 (17)	43 ± 10 (16)	47 ± 12 (16)	38 ± 9 (17)	53 ± 9 (17)	59 ± 14 (16)	59 ± 15 (17)
34no	1983	49 ± 11 (17)	26 ± 8 (17)	31 ± 8 (17)	38 ± 10 (17)	26 ± 7 (18)	33 ± 10 (18)	52 ± 12 (17)
34no	1984	32 ± 11 (18)	21 ± 6 (17)	23 ± 8 (17)	31 ± 7 (17)	35 ± 8 (17)	21 ± 5 (18)	46 ± 10 (18)
34no	1985	58 ± 14 (18)	26 ± 8 (18)	27 ± 8 (17)	21 ± 6 (17)	29 ± 8 (17)	44 ± 9 (17)	73 ± 13 (18)
34no	1986	36 ± 8 (18)	21 ± 5 (18)	34 ± 8 (18)	29 ± 10 (16)	31 ± 9 (17)	42 ± 10 (17)	59 ± 10 (17)
34no	1987	34 ± 9 (17)	37 ± 8 (18)	31 ± 7 (18)	36 ± 10 (18)	37 ± 9 (17)	31 ± 7 (17)	32 ± 11 (17)
34no	1988	28 ± 7 (17)	33 ± 7 (17)	38 ± 8 (17)	47 ± 11 (17)	51 ± 13 (17)	61 ± 12 (18)	29 ± 7 (17)
34no	1989	35 ± 8 (17)	28 ± 7 (17)	25 ± 7 (17)	41 ± 9 (16)	31 ± 9 (16)	36 ± 11 (17)	47 ± 9 (17)
34no	1990	41 ± 9 (18)	19 ± 4 (17)	34 ± 6 (17)	25 ± 5 (17)	30 ± 8 (17)	22 ± 5 (18)	47 ± 6 (18)
34no	1991	32 ± 8 (17)	14 ± 5 (17)	15 ± 6 (17)	21 ± 7 (17)	19 ± 6 (17)	19 ± 7 (16)	21 ± 7 (18)
34no	1992	38 ± 6 (17)	31 ± 5 (18)	27 ± 6 (18)	24 ± 4 (18)	32 ± 6 (17)	31 ± 5 (17)	43 ± 8 (17)
34no	1993	26 ± 8 (17)	18 ± 5 (17)	26 ± 6 (18)	26 ± 7 (18)	28 ± 6 (18)	26 ± 5 (17)	29 ± 8 (17)
34no	1994	20 ± 3 (16)	16 ± 4 (16)	16 ± 4 (16)	14 ± 4 (18)	19 ± 5 (18)	24 ± 5 (17)	23 ± 7 (16)
34no	1995	33 ± 8 (17)	27 ± 6 (17)	18 ± 5 (17)	24 ± 7 (17)	30 ± 6 (18)	27 ± 4 (18)	32 ± 7 (18)
34no	1996	40 ± 7 (16)	22 ± 6 (15)	29 ± 6 (14)	28 ± 6 (14)	20 ± 5 (14)	24 ± 4 (15)	34 ± 5 (16)
34no	1997	18 ± 5 (18)	15 ± 3 (18)	21 ± 6 (18)	24 ± 6 (17)	21 ± 5 (17)	20 ± 5 (17)	15 ± 6 (17)
34no	1998	17 ± 4 (17)	14 ± 4 (17)	14 ± 5 (17)	10 ± 3 (17)	15 ± 4 (16)	7 ± 2 (16)	20 ± 5 (16)
34no	81-84	53 ± 6 (69)	33 ± 4 (68)	36 ± 5 (68)	36 ± 4 (68)	37 ± 4 (69)	39 ± 5 (69)	56 ± 6 (69)
34no	84-89	38 ± 4 (87)	29 ± 3 (88)	31 ± 3 (87)	35 ± 4 (84)	36 ± 4 (84)	43 ± 5 (86)	48 ± 5 (86)
34no	90-94	32 ± 3 (85)	20 ± 2 (85)	24 ± 3 (86)	22 ± 2 (88)	26 ± 3 (87)	24 ± 2 (85)	33 ± 3 (86)
34no	95-98	27 ± 3 (68)	19 ± 3 (67)	20 ± 3 (66)	21 ± 3 (65)	22 ± 3 (65)	20 ± 2 (66)	25 ± 3 (67)
34no2_nox	1981	0.52 ± 0.07 (16)	0.65 ± 0.06 (17)	0.60 ± 0.06 (17)	0.68 ± 0.06 (17)	0.70 ± 0.06 (17)	0.58 ± 0.05 (17)	0.54 ± 0.06 (17)
34no2_nox	1982	0.53 ± 0.05 (16)	0.60 ± 0.05 (16)	0.57 ± 0.06 (17)	0.65 ± 0.05 (17)	0.53 ± 0.05 (17)	0.57 ± 0.07 (16)	0.58 ± 0.06 (17)
34no2_nox	1983	0.64 ± 0.07 (17)	0.77 ± 0.06 (17)	0.72 ± 0.05 (17)	0.67 ± 0.06 (17)	0.75 ± 0.06 (18)	0.73 ± 0.06 (18)	0.63 ± 0.07 (17)
34no2_nox	1984	0.75 ± 0.07 (18)	0.75 ± 0.07 (17)	0.78 ± 0.07 (17)	0.68 ± 0.06 (17)	0.66 ± 0.07 (17)	0.76 ± 0.05 (18)	0.60 ± 0.06 (18)
34no2_nox	1985	0.61 ± 0.07 (18)	0.74 ± 0.06 (18)	0.73 ± 0.06 (17)	0.76 ± 0.05 (17)	0.72 ± 0.06 (17)	0.61 ± 0.06 (17)	0.50 ± 0.06 (18)
34no2_nox	1986	0.59 ± 0.07 (17)	0.65 ± 0.07 (17)	0.52 ± 0.08 (16)	0.63 ± 0.08 (15)	0.57 ± 0.08 (14)	0.50 ± 0.07 (15)	0.40 ± 0.07 (16)
34no2_nox	1987	0.69 ± 0.07 (17)	0.65 ± 0.06 (18)	0.66 ± 0.06 (18)	0.67 ± 0.07 (18)	0.68 ± 0.07 (17)	0.69 ± 0.06 (17)	0.72 ± 0.07 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
34no2_nox	1988	0.62 ± 0.06 (16)	0.57 ± 0.05 (16)	0.51 ± 0.06 (16)	0.53 ± 0.04 (16)	0.55 ± 0.04 (16)	0.48 ± 0.04 (17)	0.61 ± 0.03 (16)
34no2_nox	1989	0.67 ± 0.07 (17)	0.72 ± 0.06 (17)	0.71 ± 0.06 (17)	0.62 ± 0.05 (16)	0.70 ± 0.07 (16)	0.67 ± 0.07 (17)	0.56 ± 0.06 (17)
34no2_nox	1990	0.60 ± 0.06 (18)	0.73 ± 0.04 (17)	0.60 ± 0.05 (17)	0.65 ± 0.06 (17)	0.70 ± 0.07 (17)	0.73 ± 0.06 (18)	0.49 ± 0.03 (18)
34no2_nox	1991	0.66 ± 0.06 (17)	0.83 ± 0.05 (17)	0.83 ± 0.05 (17)	0.79 ± 0.06 (17)	0.78 ± 0.06 (17)	0.81 ± 0.06 (16)	0.79 ± 0.06 (18)
34no2_nox	1992	0.46 ± 0.06 (17)	0.58 ± 0.05 (18)	0.62 ± 0.04 (18)	0.63 ± 0.04 (18)	0.62 ± 0.05 (17)	0.53 ± 0.05 (17)	0.54 ± 0.05 (17)
34no2_nox	1993	0.69 ± 0.07 (17)	0.70 ± 0.07 (17)	0.65 ± 0.05 (18)	0.67 ± 0.05 (18)	0.60 ± 0.07 (18)	0.65 ± 0.06 (17)	0.64 ± 0.06 (17)
34no2_nox	1994	0.71 ± 0.05 (16)	0.75 ± 0.05 (16)	0.76 ± 0.05 (16)	0.79 ± 0.04 (18)	0.78 ± 0.04 (18)	0.74 ± 0.05 (17)	0.73 ± 0.05 (16)
34no2_nox	1995	0.62 ± 0.06 (17)	0.64 ± 0.05 (17)	0.73 ± 0.05 (17)	0.67 ± 0.06 (17)	0.65 ± 0.06 (18)	0.62 ± 0.04 (18)	0.64 ± 0.07 (18)
34no2_nox	1996	0.51 ± 0.04 (16)	0.65 ± 0.04 (15)	0.57 ± 0.04 (14)	0.60 ± 0.04 (14)	0.67 ± 0.03 (14)	0.63 ± 0.03 (15)	0.56 ± 0.03 (16)
34no2_nox	1997	0.70 ± 0.06 (18)	0.72 ± 0.05 (18)	0.71 ± 0.06 (18)	0.67 ± 0.05 (17)	0.67 ± 0.06 (17)	0.66 ± 0.05 (16)	0.74 ± 0.06 (17)
34no2_nox	1998	0.74 ± 0.05 (17)	0.78 ± 0.05 (17)	0.79 ± 0.05 (17)	0.83 ± 0.04 (17)	0.75 ± 0.05 (16)	0.84 ± 0.04 (16)	0.71 ± 0.06 (16)
34no2_nox	81-84	0.62 ± 0.03 (67)	0.69 ± 0.03 (67)	0.67 ± 0.03 (68)	0.67 ± 0.03 (68)	0.66 ± 0.03 (69)	0.66 ± 0.03 (69)	0.59 ± 0.03 (69)
34no2_nox	84-89	0.64 ± 0.03 (85)	0.67 ± 0.03 (86)	0.63 ± 0.03 (84)	0.64 ± 0.03 (82)	0.65 ± 0.03 (80)	0.59 ± 0.03 (83)	0.56 ± 0.03 (84)
34no2_nox	90-94	0.62 ± 0.03 (85)	0.72 ± 0.02 (85)	0.69 ± 0.02 (86)	0.70 ± 0.02 (88)	0.70 ± 0.03 (87)	0.69 ± 0.03 (85)	0.64 ± 0.03 (86)
34no2_nox	95-98	0.65 ± 0.03 (68)	0.70 ± 0.02 (67)	0.70 ± 0.03 (66)	0.70 ± 0.03 (65)	0.68 ± 0.03 (65)	0.69 ± 0.02 (65)	0.66 ± 0.03 (67)
34nmhc	1981	1034 ± 120 (17)	777 ± 81 (18)	764 ± 81 (17)	674 ± 76 (17)	800 ± 90 (17)	800 ± 69 (17)	1034 ± 108 (17)
34nmhc	1982	872 ± 91 (17)	746 ± 70 (17)	692 ± 74 (18)	760 ± 58 (18)	811 ± 75 (18)	854 ± 87 (17)	883 ± 104 (16)
34nmhc	1983	746 ± 95 (17)	531 ± 79 (17)	639 ± 65 (17)	608 ± 73 (18)	489 ± 65 (18)	540 ± 79 (18)	764 ± 96 (17)
34nmhc	1984	608 ± 113 (18)	513 ± 64 (17)	513 ± 95 (17)	603 ± 57 (17)	639 ± 75 (17)	557 ± 51 (18)	743 ± 93 (18)
34nmhc	1985	811 ± 111 (18)	506 ± 79 (18)	459 ± 81 (17)	423 ± 69 (17)	531 ± 83 (17)	603 ± 73 (17)	845 ± 108 (18)
34nmhc	1986	574 ± 75 (18)	387 ± 60 (18)	387 ± 74 (18)	369 ± 61 (17)	387 ± 83 (17)	477 ± 82 (17)	656 ± 73 (17)
34nmhc	1987	368 ± 76 (16)	423 ± 63 (17)	351 ± 58 (17)	459 ± 89 (17)	425 ± 78 (16)	368 ± 71 (16)	387 ± 74 (16)
34nmhc	1988	369 ± 85 (17)	369 ± 67 (17)	297 ± 68 (17)	387 ± 92 (18)	421 ± 101 (18)	506 ± 99 (18)	351 ± 82 (17)
34nmhc	1989	405 ± 89 (17)	333 ± 70 (17)	297 ± 63 (17)	349 ± 68 (16)	330 ± 69 (16)	297 ± 82 (17)	423 ± 69 (17)
34nmhc	1990	656 ± 78 (17)	483 ± 54 (16)	444 ± 57 (16)	387 ± 52 (15)	463 ± 71 (16)	351 ± 52 (17)	692 ± 64 (17)
34nmhc	1991	557 ± 75 (18)	387 ± 55 (18)	459 ± 67 (17)	441 ± 80 (17)	459 ± 62 (17)	502 ± 55 (16)	455 ± 63 (18)
34nmhc	1992	585 ± 74 (17)	489 ± 49 (18)	455 ± 68 (18)	472 ± 41 (18)	549 ± 53 (17)	441 ± 60 (17)	603 ± 77 (17)
34nmhc	1993	521 ± 74 (16)	406 ± 52 (16)	421 ± 49 (18)	455 ± 72 (18)	455 ± 68 (18)	444 ± 50 (16)	531 ± 79 (17)
34nmhc	1994	597 ± 59 (16)	528 ± 57 (16)	528 ± 47 (16)	516 ± 47 (18)	543 ± 74 (18)	543 ± 60 (18)	583 ± 73 (17)
34nmhc	1995	234 ± 44 (15)	239 ± 65 (14)	165 ± 38 (14)	156 ± 30 (16)	112 ± 11 (17)	145 ± 33 (16)	215 ± 54 (16)
34nmhc	1996	531 ± 68 (18)	421 ± 51 (18)	403 ± 48 (17)	441 ± 45 (16)	416 ± 45 (16)	450 ± 40 (17)	525 ± 55 (18)
34nmhc	1997	306 ± 44 (18)	290 ± 37 (18)	290 ± 37 (17)	313 ± 45 (16)	288 ± 35 (17)	315 ± 40 (17)	267 ± 49 (17)
34nmhc	1998	425 ± 46 (17)	375 ± 32 (18)	338 ± 35 (18)	318 ± 32 (18)	353 ± 35 (16)	333 ± 32 (17)	436 ± 41 (17)
34nmhc	81-84	812 ± 55 (69)	644 ± 39 (69)	653 ± 40 (69)	662 ± 34 (70)	684 ± 41 (70)	684 ± 39 (70)	854 ± 51 (68)
34nmhc	84-89	511 ± 43 (86)	405 ± 31 (87)	359 ± 31 (86)	398 ± 34 (85)	420 ± 38 (84)	452 ± 38 (85)	538 ± 42 (85)
34nmhc	90-94	583 ± 32 (84)	458 ± 24 (84)	460 ± 26 (85)	457 ± 27 (86)	494 ± 29 (86)	457 ± 25 (84)	571 ± 32 (86)
34nmhc	95-98	379 ± 29 (68)	337 ± 24 (68)	306 ± 22 (66)	307 ± 22 (66)	290 ± 22 (66)	313 ± 22 (67)	365 ± 29 (68)
67no	1981	51 ± 10 (17)	65 ± 13 (18)	83 ± 15 (18)	59 ± 14 (17)	61 ± 13 (17)	76 ± 13 (17)	49 ± 10 (17)
67no	1982	40 ± 7 (17)	67 ± 16 (16)	77 ± 15 (16)	86 ± 14 (17)	87 ± 14 (17)	82 ± 14 (16)	59 ± 10 (16)
67no	1983	34 ± 7 (17)	55 ± 12 (17)	75 ± 11 (17)	66 ± 12 (17)	52 ± 12 (18)	55 ± 10 (18)	42 ± 9 (17)
67no	1984	26 ± 8 (18)	43 ± 11 (17)	52 ± 12 (17)	65 ± 11 (17)	66 ± 11 (17)	58 ± 11 (18)	42 ± 8 (18)
67no	1985	34 ± 7 (18)	53 ± 11 (18)	76 ± 16 (17)	71 ± 15 (17)	69 ± 13 (17)	86 ± 15 (17)	56 ± 9 (18)
67no	1986	26 ± 5 (18)	58 ± 14 (18)	64 ± 13 (18)	56 ± 13 (16)	71 ± 13 (17)	69 ± 15 (17)	62 ± 10 (17)
67no	1987	24 ± 6 (17)	68 ± 9 (18)	71 ± 15 (18)	69 ± 14 (18)	68 ± 14 (17)	55 ± 12 (17)	34 ± 10 (17)
67no	1988	26 ± 4 (17)	68 ± 13 (17)	76 ± 12 (17)	88 ± 15 (17)	90 ± 20 (17)	84 ± 17 (18)	37 ± 7 (17)
67no	1989	22 ± 6 (17)	52 ± 10 (17)	56 ± 13 (17)	78 ± 16 (16)	78 ± 16 (17)	82 ± 18 (17)	54 ± 8 (17)
67no	1990	33 ± 6 (18)	51 ± 11 (17)	71 ± 11 (17)	65 ± 15 (17)	57 ± 9 (17)	52 ± 9 (18)	48 ± 7 (18)
67no	1991	21 ± 5 (17)	37 ± 10 (18)	46 ± 10 (17)	37 ± 12 (17)	46 ± 11 (17)	42 ± 12 (17)	25 ± 8 (17)
67no	1992	32 ± 6 (17)	62 ± 10 (18)	69 ± 10 (18)	72 ± 12 (18)	71 ± 11 (17)	73 ± 14 (17)	47 ± 9 (17)
67no	1993	25 ± 8 (17)	41 ± 10 (17)	55 ± 11 (18)	53 ± 12 (18)	54 ± 12 (18)	46 ± 10 (17)	36 ± 8 (17)
67no	1994	14 ± 3 (16)	34 ± 7 (16)	38 ± 8 (16)	47 ± 10 (18)	45 ± 9 (18)	57 ± 10 (17)	31 ± 5 (16)
67no	1995	22 ± 4 (17)	52 ± 9 (17)	59 ± 9 (17)	49 ± 9 (17)	64 ± 12 (18)	63 ± 8 (18)	40 ± 9 (18)
67no	1996	28 ± 4 (16)	44 ± 11 (15)	53 ± 10 (14)	61 ± 11 (14)	56 ± 10 (14)	57 ± 8 (15)	46 ± 8 (15)
67no	1997	20 ± 5 (18)	47 ± 10 (18)	65 ± 11 (18)	65 ± 12 (17)	46 ± 10 (17)	43 ± 11 (17)	26 ± 9 (17)
67no	1998	19 ± 4 (17)	53 ± 8 (17)	44 ± 9 (17)	38 ± 7 (17)	44 ± 7 (16)	43 ± 9 (16)	34 ± 7 (16)
67no	81-84	37 ± 4 (69)	58 ± 6 (68)	72 ± 7 (68)	69 ± 6 (68)	66 ± 6 (69)	67 ± 6 (69)	48 ± 5 (68)
67no	84-89	27 ± 3 (87)	60 ± 5 (88)	69 ± 6 (87)	73 ± 6 (84)	75 ± 7 (85)	75 ± 7 (86)	48 ± 4 (86)
67no	90-94	25 ± 3 (85)	45 ± 4 (86)	56 ± 5 (86)	55 ± 5 (88)	54 ± 5 (87)	54 ± 5 (86)	38 ± 4 (85)
67no	95-98	22 ± 2 (68)	49 ± 5 (67)	55 ± 5 (66)	53 ± 5 (65)	53 ± 5 (65)	52 ± 5 (66)	36 ± 4 (66)
67no2	1981	56 ± 6 (17)	57 ± 6 (18)	60 ± 4 (18)	56 ± 6 (17)	65 ± 6 (17)	59 ± 4 (17)	61 ± 6 (17)
67no2	1982	52 ± 6 (17)	55 ± 6 (15)	59 ± 6 (16)	61 ± 6 (17)	59 ± 6 (17)	61 ± 6 (16)	58 ± 6 (16)
67no2	1983	50 ± 5 (17)	53 ± 5 (17)	64 ± 6 (17)	59 ± 6 (17)	50 ± 4 (18)	53 ± 5 (18)	51 ± 4 (17)
67no2	1984	38 ± 4 (18)	45 ± 5 (17)	42 ± 5 (17)	48 ± 4 (17)	52 ± 5 (17)	48 ± 4 (18)	48 ± 4 (18)
67no2	1985	48 ± 4 (18)	44 ± 4 (18)	45 ± 4 (17)	54 ± 5 (17)	53 ± 6 (17)	58 ± 6 (17)	54 ± 5 (18)
67no2	1986	29 ± 5 (18)	34 ± 4 (18)	32 ± 4 (18)	30 ± 4 (16)	34 ± 5 (17)	38 ± 5 (17)	35 ± 5 (17)
67no2	1987	39 ± 4 (17)	47 ± 4 (18)	48 ± 3 (18)	51 ± 3 (18)	52 ± 4 (17)	50 ± 4 (17)	44 ± 4 (17)
67no2	1988	33 ± 3 (16)	38 ± 5 (16)	43 ± 3 (16)	46 ± 3 (16)	49 ± 4 (16)	45 ± 4 (17)	39 ± 5 (16)
67no2	1989	38 ± 5 (17)	45 ± 4 (17)	44 ± 4 (17)	55 ± 5 (16)	55 ± 5 (17)	52 ± 4 (17)	42 ± 4 (17)
67no2	1990	39 ± 4 (18)	42 ± 4 (17)	46 ± 3 (17)	41 ± 4 (17)	46 ± 4 (17)	45 ± 5 (18)	45 ± 4 (18)
67no2	1991	39 ± 3 (17)	41 ± 3 (18)	49 ± 4 (17)	41 ± 3 (17)	44 ± 4 (17)	46 ± 4 (17)	38 ± 3 (17)
67no2	1992	35 ± 4 (17)	40 ± 3 (18)	41 ± 3 (18)	42 ± 3 (18)	45 ± 3 (17)	44 ± 3 (17)	38 ± 4 (17)
67no2	1993	27 ± 3 (17)	34 ± 3 (17)	39 ± 6 (18)	38 ± 4 (18)	40 ± 5 (18)	39 ± 4 (17)	31 ± 4 (17)
67no2	1994	39 ± 5 (16)	47 ± 4 (16)	51 ± 4 (16)	52 ± 5 (18)	55 ± 4 (18)	57 ± 5 (17)	52 ± 4 (16)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
67no2	1995	34 ± 2 (17)	42 ± 3 (17)	42 ± 3 (17)	43 ± 2 (17)	43 ± 4 (18)	46 ± 4 (18)	35 ± 3 (18)
67no2	1996	34 ± 3 (16)	37 ± 4 (15)	36 ± 4 (14)	42 ± 3 (14)	44 ± 4 (14)	45 ± 4 (15)	40 ± 4 (15)
67no2	1997	23 ± 3 (18)	32 ± 3 (18)	38 ± 3 (18)	40 ± 4 (17)	35 ± 2 (17)	32 ± 3 (17)	24 ± 3 (17)
67no2	1998	28 ± 4 (17)	39 ± 3 (17)	39 ± 3 (17)	36 ± 4 (17)	35 ± 3 (16)	34 ± 3 (16)	32 ± 4 (16)
67no2	81-84	49 ± 3 (69)	53 ± 3 (67)	56 ± 3 (68)	56 ± 3 (68)	56 ± 3 (69)	55 ± 2 (69)	54 ± 3 (68)
67no2	84-89	37 ± 2 (86)	42 ± 2 (87)	42 ± 2 (86)	47 ± 2 (83)	49 ± 2 (84)	49 ± 2 (85)	43 ± 2 (85)
67no2	90-94	36 ± 2 (85)	41 ± 2 (86)	45 ± 2 (86)	43 ± 2 (88)	46 ± 2 (87)	46 ± 2 (86)	41 ± 2 (85)
67no2	95-98	30 ± 2 (68)	37 ± 1 (67)	39 ± 2 (66)	40 ± 2 (65)	39 ± 2 (65)	39 ± 2 (66)	33 ± 2 (66)
67co	1981	2.8 ± 0.4 (17)	3.3 ± 0.5 (18)	3.7 ± 0.5 (17)	3.1 ± 0.5 (17)	3.6 ± 0.5 (17)	3.6 ± 0.5 (17)	2.8 ± 0.3 (17)
67co	1982	2.5 ± 0.3 (17)	3.2 ± 0.4 (16)	3.6 ± 0.4 (18)	3.7 ± 0.4 (18)	3.9 ± 0.5 (18)	3.5 ± 0.4 (17)	2.9 ± 0.3 (16)
67co	1983	2.1 ± 0.3 (17)	2.7 ± 0.4 (17)	3.4 ± 0.3 (17)	2.8 ± 0.4 (18)	2.5 ± 0.3 (18)	2.7 ± 0.3 (18)	2.3 ± 0.3 (17)
67co	1984	1.7 ± 0.3 (18)	2.4 ± 0.3 (17)	2.5 ± 0.4 (17)	2.9 ± 0.4 (17)	3.0 ± 0.4 (17)	2.7 ± 0.3 (18)	2.3 ± 0.3 (18)
67co	1985	1.9 ± 0.2 (18)	2.3 ± 0.4 (18)	2.5 ± 0.5 (17)	2.7 ± 0.4 (17)	2.6 ± 0.4 (17)	3.1 ± 0.4 (17)	2.5 ± 0.3 (18)
67co	1986	1.4 ± 0.2 (18)	2.3 ± 0.4 (18)	2.2 ± 0.4 (18)	1.9 ± 0.3 (17)	2.5 ± 0.5 (17)	2.6 ± 0.4 (17)	1.9 ± 0.3 (17)
67co	1987	1.1 ± 0.2 (16)	2.2 ± 0.3 (17)	2.4 ± 0.5 (17)	2.3 ± 0.5 (17)	2.2 ± 0.5 (16)	1.8 ± 0.3 (16)	1.2 ± 0.3 (16)
67co	1988	0.8 ± 0.2 (17)	1.8 ± 0.4 (17)	2.1 ± 0.4 (17)	2.2 ± 0.4 (18)	2.5 ± 0.5 (18)	2.3 ± 0.5 (18)	0.9 ± 0.3 (17)
67co	1989	0.9 ± 0.3 (17)	1.6 ± 0.4 (17)	1.6 ± 0.4 (17)	2.4 ± 0.5 (16)	2.4 ± 0.5 (17)	2.5 ± 0.5 (17)	1.4 ± 0.3 (17)
67co	1990	1.8 ± 0.2 (17)	2.4 ± 0.3 (16)	2.7 ± 0.3 (16)	2.1 ± 0.4 (14)	2.3 ± 0.3 (16)	2.1 ± 0.3 (17)	2.2 ± 0.3 (17)
67co	1991	1.6 ± 0.2 (18)	1.9 ± 0.2 (18)	2.4 ± 0.4 (17)	1.7 ± 0.4 (17)	2.1 ± 0.3 (17)	2.0 ± 0.3 (17)	1.6 ± 0.2 (18)
67co	1992	1.8 ± 0.2 (17)	2.2 ± 0.3 (18)	2.7 ± 0.4 (18)	2.4 ± 0.3 (18)	2.6 ± 0.3 (17)	2.6 ± 0.3 (17)	2.0 ± 0.3 (17)
67co	1993	1.4 ± 0.2 (16)	1.6 ± 0.3 (16)	1.9 ± 0.3 (18)	2.1 ± 0.3 (18)	2.2 ± 0.4 (18)	2.0 ± 0.3 (16)	1.7 ± 0.3 (17)
67co	1994	1.6 ± 0.2 (16)	2.3 ± 0.3 (15)	2.2 ± 0.3 (17)	2.6 ± 0.3 (18)	2.4 ± 0.3 (18)	2.6 ± 0.3 (18)	2.0 ± 0.2 (17)
67co	1995	0.5 ± 0.1 (15)	1.1 ± 0.2 (14)	1.1 ± 0.2 (14)	0.9 ± 0.2 (16)	0.9 ± 0.1 (17)	1.1 ± 0.1 (16)	0.8 ± 0.2 (16)
67co	1996	1.3 ± 0.2 (18)	1.7 ± 0.2 (18)	1.8 ± 0.3 (17)	2.1 ± 0.3 (16)	2.0 ± 0.3 (16)	2.1 ± 0.2 (17)	1.8 ± 0.2 (18)
67co	1997	0.9 ± 0.2 (18)	1.5 ± 0.3 (18)	1.9 ± 0.2 (17)	1.8 ± 0.3 (16)	1.5 ± 0.2 (17)	1.4 ± 0.2 (17)	1.2 ± 0.3 (17)
67co	1998	1.2 ± 0.2 (17)	1.7 ± 0.2 (18)	2.2 ± 0.2 (18)	1.4 ± 0.2 (17)	1.5 ± 0.2 (16)	1.7 ± 0.2 (17)	1.6 ± 0.2 (17)
67co	81-84	2.3 ± 0.2 (69)	2.9 ± 0.2 (68)	3.3 ± 0.2 (69)	3.1 ± 0.2 (70)	3.3 ± 0.2 (70)	3.1 ± 0.2 (70)	2.6 ± 0.2 (68)
67co	84-89	1.2 ± 0.1 (86)	2.1 ± 0.2 (87)	2.2 ± 0.2 (86)	2.3 ± 0.2 (85)	2.4 ± 0.2 (85)	2.5 ± 0.2 (85)	1.6 ± 0.1 (85)
67co	90-94	1.6 ± 0.1 (84)	2.1 ± 0.1 (83)	2.4 ± 0.1 (86)	2.2 ± 0.2 (85)	2.3 ± 0.1 (86)	2.3 ± 0.1 (85)	1.9 ± 0.1 (86)
67co	95-98	1.0 ± 0.1 (68)	1.5 ± 0.1 (68)	1.8 ± 0.1 (66)	1.5 ± 0.1 (65)	1.5 ± 0.1 (66)	1.6 ± 0.1 (67)	1.3 ± 0.1 (68)
67nmhc	1981	944 ± 109 (17)	1099 ± 137 (18)	1213 ± 152 (17)	1034 ± 145 (17)	1195 ± 138 (17)	1177 ± 141 (17)	944 ± 99 (17)
67nmhc	1982	854 ± 83 (17)	1055 ± 119 (16)	1167 ± 114 (18)	1218 ± 118 (18)	1269 ± 144 (18)	1159 ± 134 (17)	960 ± 78 (16)
67nmhc	1983	710 ± 81 (17)	908 ± 119 (17)	1123 ± 102 (17)	947 ± 111 (18)	845 ± 99 (18)	913 ± 98 (18)	782 ± 97 (17)
67nmhc	1984	591 ± 89 (18)	800 ± 98 (17)	854 ± 123 (17)	962 ± 122 (17)	998 ± 120 (17)	913 ± 101 (18)	777 ± 98 (18)
67nmhc	1985	658 ± 74 (18)	794 ± 123 (18)	854 ± 144 (17)	908 ± 110 (17)	890 ± 117 (17)	1034 ± 128 (17)	845 ± 99 (18)
67nmhc	1986	523 ± 66 (18)	794 ± 126 (18)	760 ± 117 (18)	656 ± 98 (17)	836 ± 139 (17)	872 ± 131 (17)	674 ± 81 (17)
67nmhc	1987	406 ± 71 (16)	764 ± 96 (17)	800 ± 148 (17)	782 ± 138 (17)	750 ± 143 (16)	616 ± 106 (16)	444 ± 105 (16)
67nmhc	1988	333 ± 54 (17)	621 ± 116 (17)	710 ± 135 (17)	760 ± 117 (18)	845 ± 162 (18)	794 ± 148 (18)	369 ± 85 (17)
67nmhc	1989	351 ± 78 (17)	567 ± 111 (17)	585 ± 133 (17)	807 ± 160 (16)	818 ± 153 (17)	836 ± 151 (17)	495 ± 87 (17)
67nmhc	1990	639 ± 75 (17)	807 ± 100 (16)	902 ± 103 (16)	714 ± 126 (14)	788 ± 91 (16)	710 ± 81 (17)	764 ± 89 (17)
67nmhc	1991	557 ± 62 (18)	658 ± 74 (18)	800 ± 114 (17)	603 ± 116 (17)	710 ± 100 (17)	692 ± 101 (17)	557 ± 71 (18)
67nmhc	1992	639 ± 60 (17)	760 ± 97 (18)	913 ± 115 (18)	828 ± 90 (18)	890 ± 90 (17)	872 ± 95 (17)	692 ± 83 (17)
67nmhc	1993	502 ± 62 (16)	578 ± 88 (16)	675 ± 80 (18)	726 ± 98 (18)	743 ± 114 (18)	692 ± 92 (16)	603 ± 86 (17)
67nmhc	1994	574 ± 61 (16)	796 ± 86 (15)	757 ± 88 (17)	872 ± 89 (18)	816 ± 89 (18)	887 ± 80 (18)	701 ± 67 (17)
67nmhc	1995	226 ± 37 (15)	431 ± 72 (14)	413 ± 52 (14)	351 ± 56 (16)	349 ± 27 (17)	421 ± 44 (16)	311 ± 60 (16)
67nmhc	1996	472 ± 52 (18)	589 ± 74 (18)	642 ± 80 (17)	710 ± 79 (16)	704 ± 77 (16)	718 ± 65 (17)	630 ± 68 (18)
67nmhc	1997	343 ± 50 (18)	538 ± 85 (18)	658 ± 74 (17)	620 ± 92 (16)	540 ± 59 (17)	518 ± 74 (17)	459 ± 93 (17)
67nmhc	1998	452 ± 46 (17)	613 ± 52 (18)	757 ± 67 (18)	516 ± 47 (17)	536 ± 49 (16)	610 ± 60 (17)	556 ± 55 (17)
67nmhc	81-84	772 ± 47 (69)	966 ± 60 (68)	1091 ± 63 (69)	1041 ± 62 (70)	1076 ± 65 (70)	1037 ± 60 (70)	863 ± 47 (68)
67nmhc	84-89	458 ± 33 (86)	710 ± 51 (87)	742 ± 60 (86)	782 ± 55 (85)	829 ± 63 (85)	832 ± 61 (85)	570 ± 44 (85)
67nmhc	90-94	583 ± 29 (84)	719 ± 40 (83)	808 ± 45 (86)	752 ± 46 (85)	789 ± 43 (86)	773 ± 40 (85)	662 ± 36 (86)
67nmhc	95-98	379 ± 26 (68)	549 ± 36 (68)	629 ± 38 (66)	549 ± 38 (65)	530 ± 31 (66)	569 ± 33 (67)	494 ± 38 (68)
58hc_nox	1981	10.0 ± 0.6 (16)	11.7 ± 1.8 (18)	9.3 ± 0.6 (16)	9.8 ± 0.6 (16)	10.7 ± 0.8 (17)	9.6 ± 0.8 (17)	10.5 ± 1.3 (17)
58hc_nox	1982	11.2 ± 1.0 (17)	11.8 ± 1.1 (16)	10.5 ± 0.8 (16)	10.8 ± 1.0 (17)	10.0 ± 0.6 (17)	9.6 ± 0.7 (16)	10.0 ± 0.9 (16)
58hc_nox	1983	9.8 ± 0.9 (17)	9.8 ± 0.8 (17)	8.5 ± 0.3 (17)	8.6 ± 0.4 (17)	8.9 ± 0.4 (18)	8.8 ± 0.4 (18)	9.7 ± 0.7 (17)
58hc_nox	1984	11.8 ± 1.4 (18)	10.4 ± 0.7 (17)	10.8 ± 1.0 (17)	9.4 ± 0.5 (17)	9.3 ± 0.6 (17)	9.2 ± 0.4 (18)	9.4 ± 0.5 (18)
58hc_nox	1985	8.4 ± 0.7 (18)	8.5 ± 0.4 (18)	7.4 ± 0.5 (17)	8.1 ± 0.3 (17)	7.9 ± 0.3 (17)	7.6 ± 0.3 (17)	7.6 ± 0.3 (18)
58hc_nox	1986	11.3 ± 0.9 (17)	9.7 ± 0.8 (18)	10.9 ± 1.9 (18)	9.1 ± 0.9 (16)	8.1 ± 0.4 (17)	9.4 ± 1.0 (15)	8.2 ± 0.6 (16)
58hc_nox	1987	6.6 ± 0.7 (16)	6.6 ± 0.4 (16)	6.8 ± 0.5 (17)	6.4 ± 0.3 (17)	5.7 ± 0.5 (15)	5.9 ± 0.4 (16)	6.1 ± 0.6 (16)
58hc_nox	1988	6.1 ± 0.8 (16)	5.5 ± 0.5 (16)	5.6 ± 0.5 (15)	5.6 ± 0.3 (16)	6.1 ± 0.3 (16)	6.1 ± 0.4 (17)	5.7 ± 0.6 (16)
58hc_nox	1989	5.2 ± 0.6 (17)	5.0 ± 0.6 (16)	5.1 ± 0.5 (17)	5.5 ± 0.4 (16)	5.8 ± 0.5 (17)	5.6 ± 0.4 (17)	4.8 ± 0.4 (17)
58hc_nox	1990	9.4 ± 0.6 (17)	8.9 ± 0.5 (16)	7.7 ± 0.3 (16)	8.6 ± 0.8 (14)	8.4 ± 0.5 (16)	8.6 ± 0.4 (17)	8.8 ± 0.3 (17)
58hc_nox	1991	9.6 ± 0.8 (17)	9.1 ± 0.4 (18)	8.7 ± 0.4 (17)	7.8 ± 0.4 (17)	8.3 ± 0.4 (17)	9.2 ± 0.5 (17)	9.7 ± 0.9 (17)
58hc_nox	1992	10.6 ± 1.3 (17)	8.0 ± 0.5 (18)	7.8 ± 0.4 (18)	8.6 ± 0.4 (18)	8.4 ± 0.4 (17)	7.9 ± 0.4 (17)	9.3 ± 0.8 (17)
58hc_nox	1993	12.8 ± 2.0 (16)	9.2 ± 1.2 (16)	9.5 ± 1.2 (18)	9.1 ± 0.9 (18)	8.3 ± 0.6 (17)	8.4 ± 0.6 (16)	10.9 ± 1.0 (17)
58hc_nox	1994	13.2 ± 1.3 (15)	10.3 ± 0.5 (15)	9.8 ± 0.7 (16)	9.6 ± 0.4 (18)	8.9 ± 0.4 (18)	9.4 ± 1.0 (17)	9.6 ± 0.6 (16)
58hc_nox	1995	4.9 ± 1.1 (15)	4.8 ± 0.6 (14)	4.6 ± 0.7 (14)	4.5 ± 0.7 (16)	4.6 ± 0.8 (17)	4.5 ± 0.6 (16)	4.5 ± 0.8 (16)
58hc_nox	1996	8.3 ± 0.7 (16)	7.8 ± 0.7 (15)	7.6 ± 0.7 (14)	7.8 ± 0.3 (13)	7.8 ± 0.3 (13)	8.0 ± 0.4 (15)	8.2 ± 0.4 (15)
58hc_nox	1997	10.5 ± 1.2 (18)	7.2 ± 0.3 (17)	6.8 ± 0.4 (17)	6.9 ± 0.3 (15)	7.3 ± 0.4 (17)	7.9 ± 0.4 (17)	10.3 ± 1.1 (17)
58hc_nox	1998	12.4 ± 1.4 (17)	7.9 ± 0.5 (17)	8.5 ± 0.5 (17)	9.4 ± 1.5 (17)	8.0 ± 0.5 (16)	8.9 ± 0.6 (16)	10.7 ± 1.3 (16)
58hc_nox	81-84	10.7 ± 0.5 (68)	10.9 ± 0.6 (68)	9.8 ± 0.4 (66)	9.6 ± 0.3 (67)	9.7 ± 0.3 (69)	9.3 ± 0.3 (69)	9.9 ± 0.4 (68)
58hc_nox	84-89	7.6 ± 0.4 (84)	7.1 ± 0.3 (84)	7.2 ± 0.5 (84)	6.9 ± 0.3 (82)	6.7 ± 0.2 (82)	6.9 ± 0.3 (82)	6.5 ± 0.3 (83)
58hc_nox	90-94	11.0 ± 0.6 (82)	9.1 ± 0.3 (83)	8.7 ± 0.3 (85)	8.7 ± 0.3 (85)	8.5 ± 0.2 (85)	8.7 ± 0.3 (84)	9.7 ± 0.3 (84)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
58hc_nox	95-98	9.2 ± 0.7 (66)	7.0 ± 0.3 (63)	6.9 ± 0.3 (62)	7.2 ± 0.5 (61)	6.8 ± 0.3 (63)	7.3 ± 0.3 (64)	8.4 ± 0.6 (64)
maxo3hc_nox	1981	19.5 ± 1.4 (16)	15.7 ± 0.9 (15)	16.4 ± 1.1 (17)	16.1 ± 1.6 (16)	17.1 ± 1.3 (17)	18.1 ± 1.9 (17)	17.3 ± 1.6 (17)
maxo3hc_nox	1982	17.4 ± 0.9 (17)	17.3 ± 1.7 (15)	18.4 ± 1.5 (17)	18.4 ± 1.8 (17)	14.4 ± 0.7 (16)	15.4 ± 0.9 (17)	16.6 ± 1.4 (17)
maxo3hc_nox	1983	12.8 ± 1.2 (17)	13.5 ± 1.0 (16)	12.7 ± 0.7 (14)	11.2 ± 1.1 (17)	11.8 ± 0.9 (17)	10.2 ± 1.2 (17)	14.1 ± 1.0 (17)
maxo3hc_nox	1984	17.9 ± 2.5 (18)	19.2 ± 2.0 (17)	20.9 ± 2.1 (17)	19.2 ± 1.4 (17)	18.1 ± 2.1 (17)	19.2 ± 2.3 (17)	15.8 ± 1.7 (18)
maxo3hc_nox	1985	14.3 ± 1.9 (18)	11.1 ± 1.1 (18)	12.7 ± 1.2 (17)	12.6 ± 1.0 (17)	13.2 ± 1.0 (17)	12.8 ± 0.8 (17)	14.8 ± 1.8 (18)
maxo3hc_nox	1986	19.7 ± 3.3 (13)	22.8 ± 2.6 (17)	15.9 ± 2.2 (16)	23.3 ± 3.2 (14)	19.9 ± 2.9 (15)	19.2 ± 2.5 (14)	23.8 ± 3.4 (12)
maxo3hc_nox	1987	9.1 ± 1.7 (15)	9.6 ± 1.1 (16)	9.2 ± 1.1 (16)	9.1 ± 0.6 (13)	6.7 ± 1.0 (14)	8.3 ± 0.9 (15)	10.7 ± 2.2 (16)
maxo3hc_nox	1988	7.2 ± 1.4 (16)	7.4 ± 1.1 (15)	6.0 ± 0.9 (15)	6.2 ± 0.8 (16)	6.6 ± 0.9 (16)	7.5 ± 0.8 (17)	6.0 ± 1.0 (16)
maxo3hc_nox	1989	5.5 ± 0.8 (17)	4.7 ± 1.1 (17)	5.0 ± 0.7 (17)	5.7 ± 0.9 (16)	5.2 ± 0.9 (17)	4.4 ± 0.6 (17)	4.8 ± 0.8 (18)
maxo3hc_nox	1990	19.7 ± 2.5 (17)	14.8 ± 2.7 (16)	11.2 ± 1.4 (16)	13.7 ± 1.2 (16)	14.3 ± 1.2 (16)	14.1 ± 1.0 (16)	14.0 ± 1.2 (17)
maxo3hc_nox	1991	16.6 ± 1.2 (17)	13.5 ± 0.9 (18)	13.4 ± 1.0 (16)	13.7 ± 0.6 (17)	12.0 ± 0.9 (17)	13.2 ± 1.2 (17)	15.6 ± 1.2 (17)
maxo3hc_nox	1992	14.0 ± 1.3 (17)	10.7 ± 1.2 (17)	11.5 ± 0.6 (18)	12.4 ± 1.1 (17)	13.1 ± 1.1 (17)	13.3 ± 1.3 (17)	12.2 ± 1.0 (17)
maxo3hc_nox	1993	16.5 ± 2.4 (16)	11.9 ± 1.9 (17)	13.3 ± 1.2 (17)	14.1 ± 1.2 (18)	11.7 ± 1.4 (17)	10.6 ± 1.3 (16)	15.3 ± 1.8 (17)
maxo3hc_nox	1994	23.9 ± 4.5 (15)	20.7 ± 3.4 (15)	19.9 ± 2.9 (16)	19.6 ± 3.0 (16)	19.0 ± 2.7 (17)	15.7 ± 2.7 (16)	23.1 ± 4.3 (14)
maxo3hc_nox	1995	8.7 ± 1.5 (15)	6.7 ± 1.3 (14)	5.7 ± 1.2 (16)	7.6 ± 1.8 (16)	10.5 ± 2.5 (16)	6.2 ± 1.0 (16)	7.5 ± 1.2 (16)
maxo3hc_nox	1996	13.0 ± 1.4 (16)	11.6 ± 1.0 (15)	10.8 ± 0.8 (13)	12.0 ± 0.7 (13)	11.3 ± 0.8 (14)	11.5 ± 0.7 (15)	13.3 ± 1.0 (16)
maxo3hc_nox	1997	21.3 ± 3.0 (18)	11.3 ± 0.8 (17)	11.2 ± 1.0 (17)	11.9 ± 1.1 (16)	14.0 ± 1.3 (17)	14.3 ± 1.2 (17)	16.4 ± 1.1 (17)
maxo3hc_nox	1998	25.5 ± 4.0 (17)	17.1 ± 2.2 (16)	18.0 ± 2.1 (17)	17.4 ± 1.9 (17)	16.4 ± 1.1 (14)	16.2 ± 0.9 (15)	22.1 ± 1.8 (16)
maxo3hc_nox	81-84	16.8 ± 0.9 (68)	16.5 ± 0.8 (63)	17.3 ± 0.8 (65)	16.3 ± 0.8 (67)	15.3 ± 0.7 (67)	15.7 ± 0.9 (68)	15.9 ± 0.7 (69)
maxo3hc_nox	84-89	10.9 ± 1.0 (79)	11.2 ± 1.0 (83)	9.8 ± 0.7 (81)	11.2 ± 1.0 (76)	10.3 ± 0.9 (79)	10.1 ± 0.8 (80)	11.3 ± 1.1 (80)
maxo3hc_nox	90-94	18.0 ± 1.2 (82)	14.1 ± 1.0 (83)	13.8 ± 0.8 (83)	14.6 ± 0.7 (84)	14.0 ± 0.8 (84)	13.4 ± 0.7 (82)	15.8 ± 1.0 (82)
maxo3hc_nox	95-98	17.5 ± 1.6 (66)	11.8 ± 0.8 (62)	11.5 ± 0.9 (63)	12.3 ± 0.9 (62)	13.0 ± 0.8 (61)	12.1 ± 0.7 (63)	14.8 ± 0.9 (65)
tno=o3	1981	6.9 ± 0.1 (13)	7.5 ± 0.2 (10)	7.8 ± 0.2 (13)	7.4 ± 0.2 (13)	7.0 ± 0.1 (14)	7.7 ± 0.1 (16)	7.2 ± 0.1 (15)
tno=o3	1982	7.2 ± 0.2 (11)	8.0 ± 0.3 (11)	8.5 ± 0.2 (7)	7.9 ± 0.3 (13)	8.0 ± 0.2 (14)	8.0 ± 0.3 (12)	7.6 ± 0.4 (14)
tno=o3	1983	7.1 ± 0.2 (13)	8.0 ± 0.3 (12)	7.6 ± 0.2 (8)	7.7 ± 0.2 (14)	7.5 ± 0.3 (13)	8.0 ± 0.3 (15)	7.9 ± 0.4 (13)
tno=o3	1984	7.0 ± 0.2 (11)	7.1 ± 0.3 (15)	7.8 ± 0.3 (8)	7.8 ± 0.3 (13)	7.5 ± 0.2 (15)	7.4 ± 0.2 (14)	7.0 ± 0.2 (17)
tno=o3	1985	7.0 ± 0.2 (16)	7.9 ± 0.3 (15)	8.0 ± 0.1 (9)	7.6 ± 0.1 (15)	7.7 ± 0.2 (15)	8.1 ± 0.3 (16)	7.6 ± 0.2 (17)
tno=o3	1986	6.6 ± 0.2 (16)	7.6 ± 0.2 (14)	7.7 ± 0.3 (9)	7.8 ± 0.2 (11)	7.5 ± 0.2 (16)	7.6 ± 0.2 (15)	7.3 ± 0.2 (16)
tno=o3	1987	7.0 ± 0.2 (12)	7.3 ± 0.2 (8)	7.8 ± 0.1 (9)	7.8 ± 0.2 (10)	7.8 ± 0.2 (9)	8.0 ± 0.3 (12)	7.1 ± 0.2 (16)
tno=o3	1988	6.9 ± 0.2 (13)	8.2 ± 0.2 (10)	8.0 ± 0.2 (11)	8.1 ± 0.2 (13)	8.5 ± 0.2 (16)	8.1 ± 0.2 (17)	7.4 ± 0.2 (13)
tno=o3	1989	6.7 ± 0.2 (11)	7.5 ± 0.2 (9)	7.6 ± 0.2 (15)	7.7 ± 0.2 (14)	7.7 ± 0.2 (13)	7.6 ± 0.2 (13)	7.7 ± 0.2 (13)
tno=o3	1990	6.8 ± 0.2 (17)	7.5 ± 0.2 (14)	7.8 ± 0.2 (12)	7.7 ± 0.1 (11)	7.7 ± 0.2 (17)	7.4 ± 0.1 (16)	7.2 ± 0.2 (18)
tno=o3	1991	6.8 ± 0.2 (13)	7.9 ± 0.4 (12)	7.4 ± 0.2 (12)	7.7 ± 0.3 (15)	7.5 ± 0.3 (10)	8.1 ± 0.3 (11)	7.3 ± 0.3 (11)
tno=o3	1992	7.0 ± 0.2 (15)	8.1 ± 0.4 (12)	8.0 ± 0.1 (17)	8.1 ± 0.2 (16)	7.8 ± 0.3 (15)	8.1 ± 0.2 (14)	7.2 ± 0.2 (14)
tno=o3	1993	7.3 ± 0.3 (10)	8.1 ± 0.2 (14)	8.4 ± 0.2 (11)	7.8 ± 0.2 (13)	8.0 ± 0.2 (13)	8.0 ± 0.3 (14)	7.8 ± 0.4 (14)
tno=o3	1994	6.3 ± 0.2 (8)	7.2 ± 0.2 (9)	7.3 ± 0.3 (13)	7.9 ± 0.3 (13)	8.0 ± 0.3 (11)	7.8 ± 0.2 (14)	7.0 ± 0.2 (13)
tno=o3	1995	6.8 ± 0.2 (13)	7.9 ± 0.1 (16)	8.4 ± 0.3 (15)	8.2 ± 0.2 (16)	8.1 ± 0.2 (15)	8.1 ± 0.1 (16)	7.4 ± 0.3 (15)
tno=o3	1996	7.0 ± 0.2 (13)	7.8 ± 0.2 (13)	8.1 ± 0.2 (13)	7.6 ± 0.2 (11)	8.0 ± 0.2 (13)	8.1 ± 0.2 (13)	7.9 ± 0.2 (13)
tno=o3	1997	7.1 ± 0.3 (12)	7.6 ± 0.3 (15)	8.7 ± 0.4 (14)	8.4 ± 0.2 (13)	8.0 ± 0.2 (12)	8.0 ± 0.3 (12)	7.6 ± 0.3 (9)
tno=o3	1998	7.1 ± 0.2 (13)	8.0 ± 0.2 (14)	8.0 ± 0.1 (16)	8.3 ± 0.2 (14)	8.4 ± 0.3 (11)	8.2 ± 0.2 (12)	7.8 ± 0.1 (12)
tno=o3	81-84	7.0 ± 0.1 (48)	7.6 ± 0.1 (48)	7.9 ± 0.1 (36)	7.7 ± 0.1 (53)	7.5 ± 0.1 (56)	7.8 ± 0.1 (57)	7.4 ± 0.1 (59)
tno=o3	84-89	6.8 ± 0.1 (68)	7.7 ± 0.1 (56)	7.8 ± 0.1 (53)	7.8 ± 0.1 (63)	7.8 ± 0.1 (69)	7.9 ± 0.1 (73)	7.4 ± 0.1 (75)
tno=o3	90-94	6.9 ± 0.1 (63)	7.8 ± 0.1 (61)	7.8 ± 0.1 (65)	7.8 ± 0.1 (68)	7.8 ± 0.1 (66)	7.9 ± 0.1 (69)	7.3 ± 0.1 (70)
tno=o3	95-98	7.0 ± 0.1 (51)	7.8 ± 0.1 (58)	8.3 ± 0.1 (58)	8.2 ± 0.1 (54)	8.1 ± 0.1 (51)	8.1 ± 0.1 (53)	7.6 ± 0.1 (49)
to3max	1981	11.6 ± 0.3 (17)	11.1 ± 0.7 (18)	12.4 ± 0.3 (17)	12.3 ± 0.3 (17)	11.9 ± 0.4 (17)	11.7 ± 0.3 (17)	11.4 ± 0.8 (17)
to3max	1982	11.6 ± 0.3 (16)	13.4 ± 0.4 (17)	12.6 ± 0.4 (18)	11.3 ± 0.7 (18)	11.8 ± 0.8 (18)	12.8 ± 0.3 (17)	11.9 ± 0.2 (17)
to3max	1983	12.4 ± 0.4 (16)	12.8 ± 0.4 (17)	12.1 ± 0.4 (17)	11.3 ± 0.7 (18)	11.4 ± 0.8 (17)	11.4 ± 0.6 (18)	12.8 ± 0.3 (17)
to3max	1984	12.3 ± 0.3 (18)	12.1 ± 0.3 (17)	12.2 ± 0.2 (17)	12.6 ± 0.4 (17)	11.8 ± 0.4 (17)	12.2 ± 0.3 (18)	12.0 ± 0.3 (18)
to3max	1985	11.7 ± 0.3 (18)	12.0 ± 0.3 (18)	12.2 ± 0.3 (17)	11.8 ± 0.4 (17)	12.4 ± 0.4 (17)	12.2 ± 0.3 (17)	11.9 ± 0.3 (18)
to3max	1986	11.8 ± 0.4 (17)	12.1 ± 0.4 (17)	13.0 ± 0.5 (17)	12.6 ± 0.3 (16)	12.2 ± 0.3 (17)	12.6 ± 0.4 (16)	12.7 ± 0.3 (17)
to3max	1987	11.8 ± 0.2 (17)	12.4 ± 0.3 (18)	12.7 ± 0.3 (18)	13.0 ± 0.3 (18)	12.9 ± 0.4 (17)	12.6 ± 0.4 (17)	12.6 ± 0.4 (16)
to3max	1988	12.8 ± 0.4 (17)	12.7 ± 0.4 (17)	12.6 ± 0.3 (16)	12.1 ± 0.3 (18)	12.2 ± 0.3 (18)	12.6 ± 0.2 (18)	13.1 ± 0.2 (17)
to3max	1989	11.9 ± 0.3 (17)	12.8 ± 0.3 (17)	12.5 ± 0.3 (17)	12.8 ± 0.4 (16)	12.3 ± 0.3 (17)	11.9 ± 0.6 (17)	12.8 ± 0.3 (18)
to3max	1990	12.2 ± 0.2 (18)	12.2 ± 0.3 (17)	12.2 ± 0.4 (17)	12.9 ± 0.4 (17)	12.9 ± 0.4 (17)	12.5 ± 0.3 (18)	12.2 ± 0.3 (17)
to3max	1991	12.4 ± 0.3 (18)	12.2 ± 0.8 (18)	12.8 ± 0.3 (17)	13.1 ± 0.4 (17)	13.2 ± 0.3 (17)	12.8 ± 0.3 (17)	13.2 ± 0.2 (18)
to3max	1992	11.9 ± 0.4 (16)	12.3 ± 0.3 (18)	12.0 ± 0.3 (18)	12.4 ± 0.4 (18)	12.6 ± 0.3 (17)	12.5 ± 0.3 (17)	12.0 ± 0.2 (16)
to3max	1993	12.7 ± 0.4 (17)	13.0 ± 0.3 (17)	13.4 ± 0.3 (18)	12.8 ± 0.3 (18)	12.6 ± 0.3 (18)	12.4 ± 0.3 (17)	13.5 ± 0.3 (17)
to3max	1994	12.4 ± 0.2 (17)	13.7 ± 0.4 (17)	13.1 ± 0.3 (17)	13.6 ± 0.3 (18)	13.2 ± 0.3 (18)	13.6 ± 0.3 (18)	13.4 ± 0.3 (17)
to3max	1995	13.1 ± 0.3 (16)	13.2 ± 0.4 (17)	13.2 ± 0.3 (17)	13.2 ± 0.5 (17)	13.6 ± 0.5 (17)	13.6 ± 0.3 (17)	13.4 ± 0.4 (18)
to3max	1996	13.1 ± 0.4 (18)	13.2 ± 0.2 (18)	13.9 ± 0.4 (17)	13.7 ± 0.4 (17)	13.6 ± 0.3 (17)	13.7 ± 0.4 (17)	13.1 ± 0.4 (18)
to3max	1997	12.4 ± 0.3 (18)	13.9 ± 0.3 (18)	13.9 ± 0.4 (17)	13.4 ± 0.3 (17)	13.4 ± 0.3 (16)	13.8 ± 0.4 (17)	14.1 ± 0.3 (17)
to3max	1998	13.4 ± 0.5 (17)	13.9 ± 0.3 (18)	14.2 ± 0.3 (18)	14.1 ± 0.3 (18)	14.8 ± 0.3 (18)	13.8 ± 0.4 (17)	13.6 ± 0.3 (17)
to3max	81-84	12.0 ± 0.2 (67)	12.3 ± 0.3 (69)	12.3 ± 0.2 (69)	11.9 ± 0.3 (70)	11.7 ± 0.3 (69)	12.0 ± 0.2 (70)	12.0 ± 0.2 (69)
to3max	84-89	12.0 ± 0.2 (86)	12.4 ± 0.1 (87)	12.6 ± 0.2 (85)	12.5 ± 0.2 (85)	12.4 ± 0.1 (86)	12.4 ± 0.2 (85)	12.6 ± 0.1 (86)
to3max	90-94	12.3 ± 0.1 (86)	12.7 ± 0.2 (87)	12.7 ± 0.2 (87)	13.0 ± 0.2 (88)	12.9 ± 0.1 (87)	12.7 ± 0.1 (87)	12.9 ± 0.1 (85)
to3max	95-98	13.0 ± 0.2 (69)	13.5 ± 0.2 (71)	13.8 ± 0.2 (69)	13.6 ± 0.2 (69)	13.9 ± 0.2 (67)	13.7 ± 0.2 (68)	13.6 ± 0.2 (70)
to3acc	1981	5.0 ± 0.3 (13)	4.3 ± 0.2 (10)	4.4 ± 0.4 (13)	4.7 ± 0.3 (13)	5.0 ± 0.4 (14)	4.0 ± 0.3 (16)	4.9 ± 0.3 (15)
to3acc	1982	4.1 ± 0.4 (11)	5.3 ± 0.6 (11)	4.5 ± 0.6 (7)	3.4 ± 0.3 (13)	4.3 ± 0.4 (14)	4.5 ± 0.4 (12)	4.3 ± 0.5 (14)
to3acc	1983	5.1 ± 0.6 (12)	4.4 ± 0.3 (12)	3.6 ± 0.3 (8)	3.4 ± 0.8 (14)	4.5 ± 0.4 (12)	4.0 ± 0.4 (15)	4.8 ± 0.5 (13)
to3acc	1984	5.5 ± 0.6 (11)	5.1 ± 0.4 (15)	4.1 ± 0.5 (8)	4.8 ± 0.5 (13)	4.2 ± 0.5 (15)	4.4 ± 0.3 (14)	5.0 ± 0.4 (17)
to3acc	1985	4.4 ± 0.2 (16)	3.8 ± 0.3 (15)	4.3 ± 0.5 (9)	4.0 ± 0.4 (15)	4.6 ± 0.4 (15)	4.0 ± 0.3 (16)	4.2 ± 0.2 (17)
to3acc	1986	5.2 ± 0.5 (15)	4.0 ± 0.3 (13)	5.2 ± 0.7 (9)	5.0 ± 0.4 (11)	4.8 ± 0.3 (16)	4.8 ± 0.4 (14)	5.5 ± 0.4 (16)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
to3acc	1987	4.6 ± 0.3 (12)	5.3 ± 0.7 (8)	4.5 ± 0.4 (9)	4.6 ± 0.4 (10)	4.9 ± 0.5 (9)	4.6 ± 0.6 (12)	5.5 ± 0.4 (16)
to3acc	1988	5.5 ± 0.5 (13)	4.4 ± 0.4 (10)	4.9 ± 0.3 (11)	4.0 ± 0.4 (13)	3.8 ± 0.3 (16)	4.4 ± 0.3 (17)	5.6 ± 0.3 (13)
to3acc	1989	4.8 ± 0.3 (11)	5.3 ± 0.5 (9)	4.7 ± 0.5 (15)	4.9 ± 0.5 (14)	4.5 ± 0.4 (13)	4.0 ± 0.7 (13)	4.7 ± 0.4 (13)
to3acc	1990	5.3 ± 0.3 (17)	4.9 ± 0.5 (14)	4.4 ± 0.6 (12)	5.0 ± 0.5 (11)	5.3 ± 0.3 (17)	5.1 ± 0.3 (16)	5.0 ± 0.4 (17)
to3acc	1991	5.6 ± 0.4 (13)	4.5 ± 0.3 (12)	4.9 ± 0.4 (12)	5.4 ± 0.5 (15)	5.2 ± 0.4 (10)	4.2 ± 0.4 (11)	5.4 ± 0.4 (11)
to3acc	1992	5.0 ± 0.5 (15)	4.0 ± 0.4 (12)	4.1 ± 0.3 (17)	4.3 ± 0.5 (16)	4.8 ± 0.4 (15)	4.3 ± 0.4 (14)	4.8 ± 0.3 (14)
to3acc	1993	4.7 ± 0.4 (10)	4.8 ± 0.4 (14)	4.7 ± 0.5 (11)	5.0 ± 0.4 (13)	4.3 ± 0.5 (13)	4.5 ± 0.4 (14)	5.7 ± 0.5 (14)
to3acc	1994	5.8 ± 0.3 (8)	7.3 ± 0.8 (9)	5.5 ± 0.4 (13)	5.1 ± 0.2 (13)	5.0 ± 0.4 (11)	5.8 ± 0.3 (14)	6.5 ± 0.4 (13)
to3acc	1995	6.0 ± 0.4 (13)	5.2 ± 0.4 (16)	5.0 ± 0.2 (15)	4.7 ± 0.5 (16)	5.7 ± 0.6 (15)	5.4 ± 0.4 (16)	5.8 ± 0.3 (15)
to3acc	1996	5.6 ± 0.5 (13)	5.4 ± 0.4 (13)	5.7 ± 0.5 (13)	6.2 ± 0.6 (11)	5.5 ± 0.4 (13)	5.1 ± 0.5 (13)	4.9 ± 0.4 (13)
to3acc	1997	5.4 ± 0.3 (12)	6.3 ± 0.4 (15)	5.3 ± 0.6 (14)	4.9 ± 0.3 (13)	5.3 ± 0.3 (12)	5.6 ± 0.6 (12)	6.7 ± 0.7 (9)
to3acc	1998	6.2 ± 0.7 (13)	5.7 ± 0.4 (14)	6.3 ± 0.4 (16)	5.4 ± 0.3 (14)	6.4 ± 0.6 (11)	5.5 ± 0.6 (12)	5.9 ± 0.4 (12)
o3rate	81-84	4.9 ± 0.2 (47)	4.8 ± 0.2 (48)	4.2 ± 0.2 (36)	4.1 ± 0.3 (53)	4.5 ± 0.2 (55)	4.2 ± 0.2 (57)	4.7 ± 0.2 (59)
o3rate	84-89	4.9 ± 0.2 (67)	4.4 ± 0.2 (55)	4.7 ± 0.2 (53)	4.5 ± 0.2 (63)	4.5 ± 0.2 (69)	4.3 ± 0.2 (72)	5.1 ± 0.2 (75)
o3rate	90-94	5.3 ± 0.2 (63)	5.0 ± 0.2 (61)	4.7 ± 0.2 (65)	4.9 ± 0.2 (68)	4.9 ± 0.2 (66)	4.8 ± 0.2 (69)	5.4 ± 0.2 (69)
o3rate	95-98	5.8 ± 0.3 (51)	5.6 ± 0.2 (58)	5.6 ± 0.2 (58)	5.3 ± 0.2 (54)	5.7 ± 0.2 (51)	5.4 ± 0.2 (53)	5.7 ± 0.2 (49)
o3rate	1981	20.8 ± 1.3 (13)	25.8 ± 1.3 (10)	26.6 ± 2.1 (13)	26.8 ± 3.1 (13)	27.9 ± 3.0 (14)	29.8 ± 3.0 (16)	27.6 ± 1.7 (15)
o3rate	1982	26.1 ± 3.7 (11)	18.4 ± 2.8 (11)	20.0 ± 5.2 (7)	21.2 ± 3.2 (13)	23.6 ± 2.9 (14)	26.3 ± 3.1 (12)	24.0 ± 2.6 (14)
o3rate	1983	22.0 ± 2.7 (12)	24.0 ± 3.4 (12)	32.9 ± 4.8 (8)	21.1 ± 3.2 (14)	20.2 ± 2.2 (12)	20.7 ± 2.4 (15)	22.9 ± 3.4 (13)
o3rate	1984	20.5 ± 2.8 (11)	20.4 ± 1.8 (15)	22.3 ± 2.4 (8)	27.2 ± 3.5 (13)	28.9 ± 2.9 (15)	25.4 ± 2.7 (14)	19.9 ± 1.9 (17)
o3rate	1985	20.6 ± 2.2 (16)	21.8 ± 2.2 (15)	22.9 ± 3.0 (9)	26.8 ± 3.0 (15)	18.4 ± 2.0 (15)	22.8 ± 2.5 (16)	23.2 ± 2.6 (17)
o3rate	1986	19.1 ± 1.9 (15)	20.2 ± 1.6 (13)	18.7 ± 3.1 (9)	19.9 ± 1.9 (11)	20.8 ± 2.1 (16)	23.1 ± 3.1 (14)	20.9 ± 2.3 (16)
o3rate	1987	19.8 ± 2.4 (12)	15.4 ± 1.8 (8)	25.6 ± 2.7 (9)	21.9 ± 2.0 (10)	24.4 ± 3.6 (9)	21.3 ± 2.6 (12)	18.4 ± 1.9 (16)
o3rate	1988	18.7 ± 2.3 (13)	22.0 ± 1.8 (10)	21.5 ± 1.8 (11)	22.5 ± 3.2 (13)	28.0 ± 2.3 (16)	24.6 ± 2.4 (17)	17.5 ± 1.6 (13)
o3rate	1989	20.7 ± 2.4 (11)	16.1 ± 2.3 (9)	21.7 ± 3.2 (15)	22.0 ± 2.6 (14)	21.4 ± 2.4 (13)	29.2 ± 7.0 (13)	17.7 ± 1.9 (13)
o3rate	1990	16.3 ± 1.3 (17)	16.5 ± 1.6 (14)	18.8 ± 2.6 (12)	14.5 ± 1.9 (11)	18.8 ± 2.0 (17)	18.9 ± 2.4 (16)	17.8 ± 1.8 (17)
o3rate	1991	17.5 ± 1.5 (13)	19.2 ± 2.2 (12)	17.9 ± 2.4 (12)	16.1 ± 2.2 (15)	16.3 ± 1.7 (10)	21.5 ± 2.9 (11)	17.9 ± 1.9 (11)
o3rate	1992	16.7 ± 1.8 (15)	14.8 ± 1.3 (12)	16.6 ± 1.4 (17)	15.7 ± 1.4 (16)	16.0 ± 1.1 (15)	17.3 ± 2.2 (14)	17.9 ± 1.6 (14)
o3rate	1993	17.8 ± 2.1 (10)	15.9 ± 2.8 (14)	15.3 ± 1.5 (11)	18.2 ± 2.2 (13)	22.0 ± 2.7 (13)	18.6 ± 1.3 (14)	15.4 ± 2.1 (14)
o3rate	1994	11.1 ± 0.6 (8)	10.4 ± 1.3 (9)	12.7 ± 1.1 (13)	13.2 ± 1.4 (13)	12.5 ± 1.2 (11)	11.7 ± 1.0 (14)	12.0 ± 0.9 (13)
o3rate	1995	12.0 ± 0.8 (13)	12.9 ± 1.3 (16)	13.2 ± 1.7 (15)	13.6 ± 1.5 (16)	11.7 ± 1.6 (15)	12.3 ± 1.7 (16)	13.0 ± 1.6 (15)
o3rate	1996	15.2 ± 1.5 (13)	12.2 ± 0.9 (13)	11.5 ± 1.5 (13)	11.6 ± 1.4 (11)	14.2 ± 2.4 (13)	11.5 ± 1.4 (13)	13.5 ± 1.4 (13)
o3rate	1997	10.9 ± 0.9 (12)	8.8 ± 1.0 (15)	10.6 ± 1.8 (14)	10.7 ± 1.2 (13)	9.6 ± 1.4 (12)	9.7 ± 1.4 (12)	9.2 ± 0.9 (9)
o3rate	1998	13.2 ± 2.1 (13)	10.9 ± 1.7 (14)	9.2 ± 1.6 (16)	9.8 ± 1.5 (14)	9.5 ± 1.5 (11)	12.2 ± 2.0 (12)	12.8 ± 2.4 (12)
o3rate	81-84	22.3 ± 1.3 (47)	22.0 ± 1.2 (48)	25.8 ± 1.8 (36)	24.0 ± 1.6 (53)	25.4 ± 1.4 (55)	25.6 ± 1.4 (57)	23.5 ± 1.2 (59)
o3rate	84-89	19.7 ± 1.0 (67)	19.6 ± 1.0 (55)	22.0 ± 1.3 (53)	22.9 ± 1.2 (63)	22.5 ± 1.1 (69)	24.2 ± 1.6 (72)	19.7 ± 1.0 (75)
o3rate	90-94	16.2 ± 0.7 (63)	15.7 ± 1.0 (61)	16.3 ± 0.8 (65)	15.6 ± 0.8 (68)	17.3 ± 0.9 (66)	17.5 ± 1.0 (69)	16.3 ± 0.8 (69)
o3rate	95-98	12.9 ± 0.7 (51)	11.2 ± 0.7 (58)	11.1 ± 0.8 (58)	11.5 ± 0.7 (54)	11.4 ± 0.9 (51)	11.5 ± 0.8 (53)	12.4 ± 0.9 (49)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
o3max	1981	145 ± 7 (17)	139 ± 8 (18)	127 ± 9 (18)	148 ± 11 (18)	175 ± 12 (17)	151 ± 9 (17)	156 ± 10 (17)
o3max	1982	119 ± 11 (17)	115 ± 12 (17)	119 ± 14 (18)	115 ± 15 (18)	128 ± 15 (18)	125 ± 13 (17)	124 ± 12 (17)
o3max	1983	150 ± 12 (17)	150 ± 15 (17)	165 ± 18 (17)	146 ± 16 (18)	126 ± 17 (18)	134 ± 17 (18)	148 ± 15 (17)
o3max	1984	113 ± 12 (16)	113 ± 11 (17)	111 ± 15 (17)	125 ± 10 (17)	128 ± 11 (17)	107 ± 10 (18)	116 ± 10 (16)
o3max	1985	134 ± 13 (18)	112 ± 12 (18)	116 ± 11 (17)	137 ± 15 (17)	134 ± 15 (17)	136 ± 13 (17)	148 ± 16 (18)
o3max	1986	138 ± 12 (18)	121 ± 9 (18)	112 ± 10 (18)	128 ± 12 (17)	125 ± 11 (17)	122 ± 11 (17)	144 ± 13 (17)
o3max	1987	126 ± 10 (17)	113 ± 7 (18)	133 ± 10 (18)	126 ± 11 (18)	118 ± 10 (17)	115 ± 11 (17)	116 ± 10 (17)
o3max	1988	115 ± 9 (17)	95 ± 10 (17)	109 ± 9 (17)	115 ± 12 (18)	117 ± 6 (18)	125 ± 9 (18)	125 ± 10 (17)
o3max	1989	95 ± 8 (17)	86 ± 8 (17)	109 ± 12 (17)	120 ± 12 (17)	103 ± 7 (18)	94 ± 8 (18)	99 ± 9 (18)
o3max	1990	110 ± 10 (18)	95 ± 7 (17)	93 ± 9 (17)	96 ± 10 (17)	106 ± 10 (17)	104 ± 10 (18)	113 ± 8 (18)
o3max	1991	131 ± 8 (18)	102 ± 11 (18)	105 ± 8 (17)	99 ± 6 (17)	104 ± 10 (17)	109 ± 12 (17)	119 ± 10 (18)
o3max	1992	127 ± 15 (17)	98 ± 8 (18)	99 ± 5 (18)	98 ± 9 (18)	118 ± 7 (17)	98 ± 9 (17)	119 ± 12 (17)
o3max	1993	88 ± 8 (17)	72 ± 7 (17)	73 ± 7 (18)	81 ± 8 (18)	86 ± 9 (18)	80 ± 7 (17)	94 ± 10 (17)
o3max	1994	96 ± 4 (17)	79 ± 7 (17)	80 ± 7 (17)	79 ± 7 (18)	89 ± 7 (18)	93 ± 8 (18)	102 ± 8 (17)
o3max	1995	102 ± 7 (17)	84 ± 5 (17)	88 ± 7 (17)	86 ± 7 (17)	79 ± 7 (18)	84 ± 8 (18)	100 ± 9 (18)
o3max	1996	87 ± 6 (18)	70 ± 5 (18)	69 ± 5 (17)	67 ± 6 (17)	74 ± 7 (17)	70 ± 6 (17)	80 ± 6 (18)
o3max	1997	79 ± 5 (17)	66 ± 4 (17)	65 ± 5 (16)	69 ± 6 (15)	64 ± 5 (15)	66 ± 6 (16)	74 ± 6 (16)
o3max	1998	95 ± 9 (15)	72 ± 7 (16)	73 ± 7 (17)	68 ± 6 (17)	71 ± 9 (15)	76 ± 9 (16)	90 ± 10 (16)
o3max	81-84	132 ± 6 (67)	130 ± 6 (69)	130 ± 7 (70)	134 ± 7 (71)	139 ± 7 (70)	129 ± 7 (70)	136 ± 6 (67)
o3max	84-89	122 ± 5 (87)	106 ± 4 (88)	116 ± 5 (87)	125 ± 6 (87)	119 ± 5 (87)	118 ± 5 (87)	126 ± 6 (87)
o3max	90-94	111 ± 5 (87)	89 ± 4 (87)	90 ± 3 (87)	91 ± 4 (88)	101 ± 4 (87)	97 ± 4 (87)	110 ± 4 (87)
o3max	95-98	91 ± 3 (67)	73 ± 3 (68)	74 ± 3 (67)	72 ± 3 (66)	72 ± 4 (65)	74 ± 4 (67)	86 ± 4 (68)
34no2	1981	55 ± 5 (17)	48 ± 4 (18)	56 ± 5 (18)	51 ± 3 (18)	58 ± 5 (16)	57 ± 4 (17)	59 ± 3 (17)
34no2	1982	49 ± 5 (17)	45 ± 4 (17)	47 ± 4 (17)	51 ± 4 (18)	46 ± 4 (18)	53 ± 6 (17)	54 ± 4 (17)
34no2	1983	56 ± 6 (17)	49 ± 5 (17)	61 ± 5 (17)	50 ± 5 (18)	47 ± 4 (18)	49 ± 4 (18)	59 ± 4 (17)
34no2	1984	38 ± 6 (15)	36 ± 7 (15)	36 ± 4 (16)	43 ± 4 (16)	49 ± 4 (14)	47 ± 3 (16)	46 ± 5 (16)
34no2	1985	46 ± 5 (18)	38 ± 4 (18)	44 ± 4 (17)	48 ± 3 (17)	40 ± 5 (17)	51 ± 4 (16)	53 ± 5 (18)
34no2	1986	48 ± 3 (18)	45 ± 3 (18)	46 ± 4 (18)	42 ± 3 (17)	46 ± 5 (17)	48 ± 3 (17)	48 ± 3 (17)
34no2	1987	41 ± 3 (17)	46 ± 4 (18)	46 ± 3 (18)	48 ± 4 (18)	43 ± 3 (16)	40 ± 4 (17)	45 ± 3 (17)
34no2	1988	37 ± 4 (17)	30 ± 3 (17)	34 ± 3 (17)	40 ± 3 (18)	43 ± 4 (18)	42 ± 3 (18)	41 ± 4 (17)
34no2	1989	35 ± 5 (17)	39 ± 4 (17)	39 ± 4 (16)	45 ± 4 (17)	44 ± 4 (18)	39 ± 3 (18)	36 ± 3 (18)
34no2	1990	37 ± 4 (17)	33 ± 4 (16)	38 ± 3 (16)	35 ± 5 (17)	38 ± 4 (17)	34 ± 3 (18)	39 ± 3 (17)
34no2	1991	38 ± 4 (18)	36 ± 4 (18)	38 ± 6 (15)	33 ± 4 (17)	39 ± 5 (17)	35 ± 4 (17)	38 ± 4 (18)
34no2	1992	41 ± 4 (16)	41 ± 3 (17)	39 ± 3 (17)	42 ± 2 (18)	47 ± 3 (16)	44 ± 3 (17)	41 ± 4 (16)
34no2	1993	32 ± 3 (17)	34 ± 3 (17)	32 ± 2 (18)	35 ± 3 (18)	37 ± 3 (18)	33 ± 3 (17)	32 ± 3 (17)
34no2	1994	40 ± 3 (17)	37 ± 2 (17)	41 ± 3 (17)	41 ± 3 (18)	42 ± 2 (18)	44 ± 3 (18)	46 ± 2 (17)
34no2	1995	41 ± 2 (15)	37 ± 3 (14)	38 ± 3 (14)	37 ± 3 (17)	33 ± 2 (18)	40 ± 4 (18)	39 ± 3 (16)
34no2	1996	39 ± 4 (11)	40 ± 4 (11)	40 ± 3 (10)	44 ± 5 (10)	46 ± 6 (11)	47 ± 4 (11)	48 ± 4 (11)
34no2	1997	34 ± 3 (17)	37 ± 3 (16)	42 ± 3 (16)	44 ± 4 (15)	39 ± 3 (15)	37 ± 3 (16)	35 ± 3 (16)
34no2	1998	34 ± 3 (15)	38 ± 3 (16)	37 ± 3 (17)	35 ± 3 (17)	32 ± 3 (15)	36 ± 3 (16)	38 ± 3 (16)
34no2	81-84	50 ± 3 (66)	45 ± 3 (67)	50 ± 3 (68)	49 ± 2 (70)	50 ± 2 (66)	52 ± 2 (68)	55 ± 2 (67)
34no2	84-89	41 ± 2 (87)	40 ± 2 (88)	42 ± 2 (86)	45 ± 2 (87)	43 ± 2 (86)	44 ± 2 (86)	45 ± 2 (87)
34no2	90-94	38 ± 2 (85)	36 ± 1 (85)	37 ± 1 (83)	37 ± 2 (88)	40 ± 2 (86)	38 ± 1 (87)	39 ± 2 (85)
34no2	95-98	37 ± 2 (58)	38 ± 2 (57)	39 ± 2 (57)	39 ± 2 (59)	37 ± 2 (59)	39 ± 2 (61)	39 ± 2 (59)
34no	1981	68 ± 15 (17)	49 ± 9 (18)	66 ± 12 (18)	56 ± 13 (18)	59 ± 14 (17)	85 ± 22 (17)	89 ± 19 (17)
34no	1982	53 ± 10 (17)	48 ± 13 (17)	62 ± 13 (17)	62 ± 14 (18)	88 ± 21 (18)	72 ± 15 (17)	61 ± 12 (17)
34no	1983	64 ± 17 (17)	31 ± 11 (17)	44 ± 11 (17)	30 ± 7 (18)	49 ± 15 (18)	49 ± 14 (18)	64 ± 13 (17)
34no	1984	47 ± 15 (15)	43 ± 12 (15)	51 ± 14 (16)	64 ± 13 (16)	58 ± 11 (14)	43 ± 10 (16)	54 ± 10 (16)
34no	1985	41 ± 11 (18)	34 ± 11 (18)	41 ± 11 (17)	47 ± 11 (17)	40 ± 9 (17)	81 ± 19 (16)	81 ± 19 (18)
34no	1986	44 ± 10 (18)	39 ± 9 (18)	52 ± 12 (18)	39 ± 10 (17)	26 ± 7 (17)	40 ± 7 (17)	56 ± 12 (17)
34no	1987	45 ± 11 (17)	41 ± 9 (18)	39 ± 10 (18)	53 ± 12 (18)	35 ± 11 (16)	36 ± 9 (17)	31 ± 11 (17)
34no	1988	32 ± 8 (17)	19 ± 5 (17)	38 ± 9 (17)	51 ± 12 (18)	47 ± 12 (18)	51 ± 12 (18)	32 ± 7 (17)
34no	1989	51 ± 11 (17)	55 ± 11 (17)	57 ± 13 (16)	60 ± 9 (17)	61 ± 12 (18)	60 ± 13 (18)	67 ± 12 (18)
34no	1990	58 ± 12 (17)	44 ± 10 (16)	61 ± 13 (16)	55 ± 15 (17)	38 ± 11 (17)	44 ± 10 (18)	68 ± 9 (17)
34no	1991	40 ± 8 (18)	25 ± 8 (18)	21 ± 8 (15)	21 ± 6 (17)	31 ± 10 (17)	28 ± 7 (17)	24 ± 7 (18)
34no	1992	42 ± 11 (16)	41 ± 9 (17)	42 ± 10 (17)	46 ± 11 (18)	51 ± 13 (16)	48 ± 10 (17)	55 ± 13 (16)
34no	1993	28 ± 10 (17)	24 ± 10 (17)	34 ± 10 (18)	38 ± 9 (18)	42 ± 11 (18)	35 ± 7 (17)	51 ± 14 (17)
34no	1994	47 ± 13 (17)	33 ± 9 (17)	40 ± 8 (17)	52 ± 8 (18)	62 ± 11 (18)	62 ± 9 (18)	48 ± 8 (17)
34no	1995	56 ± 10 (15)	43 ± 9 (14)	61 ± 13 (14)	33 ± 9 (17)	41 ± 10 (18)	50 ± 7 (18)	68 ± 15 (16)
34no	1996	38 ± 9 (11)	27 ± 8 (11)	42 ± 10 (10)	50 ± 12 (10)	38 ± 8 (11)	45 ± 9 (11)	52 ± 11 (11)
34no	1997	33 ± 10 (17)	18 ± 5 (16)	37 ± 8 (16)	38 ± 9 (15)	37 ± 10 (15)	37 ± 10 (16)	32 ± 12 (16)
34no	1998	20 ± 6 (15)	27 ± 7 (16)	28 ± 9 (17)	17 ± 4 (17)	27 ± 6 (15)	33 ± 9 (16)	43 ± 10 (16)
34no	81-84	58 ± 7 (66)	43 ± 6 (67)	56 ± 6 (68)	53 ± 6 (70)	64 ± 8 (67)	62 ± 8 (68)	67 ± 7 (67)
34no	84-89	43 ± 5 (87)	38 ± 4 (88)	45 ± 5 (86)	50 ± 5 (87)	42 ± 5 (86)	53 ± 6 (86)	54 ± 6 (87)
34no	90-94	43 ± 5 (85)	33 ± 4 (85)	40 ± 5 (83)	42 ± 5 (88)	45 ± 5 (86)	44 ± 4 (87)	49 ± 5 (85)
34no	95-98	37 ± 5 (58)	28 ± 4 (57)	41 ± 5 (57)	33 ± 4 (59)	36 ± 4 (59)	41 ± 4 (61)	49 ± 6 (59)
34no2_nox	1981	0.56 ± 0.06 (16)	0.61 ± 0.06 (18)	0.55 ± 0.06 (18)	0.60 ± 0.06 (18)	0.60 ± 0.06 (16)	0.53 ± 0.05 (17)	0.49 ± 0.05 (17)
34no2_nox	1982	0.58 ± 0.07 (17)	0.64 ± 0.07 (17)	0.57 ± 0.07 (17)	0.58 ± 0.06 (18)	0.48 ± 0.06 (18)	0.57 ± 0.08 (17)	0.56 ± 0.06 (17)
34no2_nox	1983	0.61 ± 0.07 (17)	0.74 ± 0.06 (17)	0.71 ± 0.07 (17)	0.70 ± 0.06 (18)	0.69 ± 0.07 (18)	0.67 ± 0.06 (18)	0.60 ± 0.06 (17)
34no2_nox	1984	0.61 ± 0.07 (15)	0.48 ± 0.09 (16)	0.58 ± 0.08 (16)	0.50 ± 0.07 (16)	0.54 ± 0.06 (14)	0.64 ± 0.06 (16)	0.53 ± 0.06 (16)
34no2_nox	1985	0.65 ± 0.06 (18)	0.71 ± 0.06 (18)	0.66 ± 0.06 (17)	0.59 ± 0.05 (17)	0.62 ± 0.07 (17)	0.50 ± 0.06 (16)	0.52 ± 0.06 (18)
34no2_nox	1986	0.63 ± 0.06 (18)	0.64 ± 0.06 (18)	0.62 ± 0.07 (18)	0.62 ± 0.06 (17)	0.73 ± 0.05 (17)	0.61 ± 0.06 (17)	0.56 ± 0.06 (17)
34no2_nox	1987	0.63 ± 0.07 (17)	0.63 ± 0.06 (18)	0.66 ± 0.06 (18)	0.58 ± 0.06 (18)	0.69 ± 0.07 (16)	0.66 ± 0.07 (17)	0.74 ± 0.06 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
34no2_nox	1988	0.60 ± 0.06 (17)	0.72 ± 0.06 (17)	0.62 ± 0.07 (17)	0.55 ± 0.06 (18)	0.61 ± 0.07 (18)	0.57 ± 0.06 (18)	0.64 ± 0.05 (17)
34no2_nox	1989	0.46 ± 0.04 (17)	0.48 ± 0.04 (17)	0.48 ± 0.04 (16)	0.47 ± 0.04 (17)	0.48 ± 0.04 (18)	0.48 ± 0.05 (18)	0.43 ± 0.05 (18)
34no2_nox	1990	0.48 ± 0.05 (17)	0.53 ± 0.06 (16)	0.51 ± 0.07 (16)	0.56 ± 0.07 (17)	0.61 ± 0.06 (17)	0.56 ± 0.07 (18)	0.41 ± 0.04 (17)
34no2_nox	1991	0.56 ± 0.07 (18)	0.73 ± 0.07 (17)	0.77 ± 0.06 (15)	0.74 ± 0.05 (17)	0.72 ± 0.07 (17)	0.66 ± 0.07 (17)	0.75 ± 0.05 (18)
34no2_nox	1992	0.58 ± 0.05 (16)	0.57 ± 0.06 (17)	0.55 ± 0.04 (17)	0.60 ± 0.06 (18)	0.62 ± 0.07 (16)	0.58 ± 0.06 (17)	0.57 ± 0.07 (16)
34no2_nox	1993	0.71 ± 0.07 (17)	0.74 ± 0.06 (17)	0.63 ± 0.06 (18)	0.57 ± 0.05 (18)	0.59 ± 0.06 (18)	0.54 ± 0.06 (17)	0.57 ± 0.07 (17)
34no2_nox	1994	0.62 ± 0.07 (17)	0.64 ± 0.05 (17)	0.59 ± 0.05 (17)	0.51 ± 0.05 (18)	0.50 ± 0.05 (18)	0.48 ± 0.05 (18)	0.55 ± 0.04 (17)
34no2_nox	1995	0.47 ± 0.05 (15)	0.55 ± 0.05 (14)	0.49 ± 0.06 (14)	0.66 ± 0.06 (17)	0.58 ± 0.06 (18)	0.48 ± 0.04 (18)	0.48 ± 0.06 (16)
34no2_nox	1996	0.61 ± 0.07 (11)	0.70 ± 0.07 (11)	0.60 ± 0.08 (10)	0.56 ± 0.07 (10)	0.61 ± 0.06 (11)	0.59 ± 0.06 (11)	0.54 ± 0.05 (11)
34no2_nox	1997	0.67 ± 0.06 (17)	0.75 ± 0.05 (16)	0.63 ± 0.05 (16)	0.63 ± 0.06 (15)	0.64 ± 0.07 (15)	0.65 ± 0.07 (16)	0.74 ± 0.07 (16)
34no2_nox	1998	0.74 ± 0.06 (15)	0.70 ± 0.05 (16)	0.72 ± 0.06 (17)	0.75 ± 0.04 (17)	0.64 ± 0.06 (15)	0.64 ± 0.05 (16)	0.60 ± 0.06 (16)
34no2_nox	81-84	0.59 ± 0.03 (65)	0.62 ± 0.04 (68)	0.60 ± 0.03 (68)	0.60 ± 0.03 (70)	0.58 ± 0.03 (66)	0.60 ± 0.03 (68)	0.54 ± 0.03 (67)
34no2_nox	84-89	0.59 ± 0.03 (87)	0.64 ± 0.03 (88)	0.61 ± 0.03 (86)	0.56 ± 0.02 (87)	0.62 ± 0.03 (86)	0.56 ± 0.03 (86)	0.58 ± 0.03 (87)
34no2_nox	90-94	0.59 ± 0.03 (85)	0.64 ± 0.03 (84)	0.61 ± 0.03 (83)	0.60 ± 0.03 (88)	0.61 ± 0.03 (86)	0.56 ± 0.03 (87)	0.57 ± 0.03 (85)
34no2_nox	95-98	0.63 ± 0.03 (58)	0.68 ± 0.03 (57)	0.61 ± 0.03 (57)	0.66 ± 0.03 (59)	0.62 ± 0.03 (59)	0.59 ± 0.03 (61)	0.59 ± 0.03 (59)
34nmhc	1981	890 ± 111 (17)	709 ± 72 (18)	760 ± 72 (18)	692 ± 74 (18)	764 ± 110 (17)	890 ± 131 (17)	1016 ± 124 (17)
34nmhc	1982	836 ± 70 (17)	692 ± 64 (17)	743 ± 75 (18)	828 ± 86 (18)	947 ± 124 (18)	908 ± 94 (17)	872 ± 79 (17)
34nmhc	1983	800 ± 133 (17)	513 ± 70 (17)	603 ± 68 (17)	472 ± 48 (18)	591 ± 96 (18)	591 ± 96 (18)	782 ± 101 (17)
34nmhc	1984	611 ± 121 (15)	502 ± 92 (16)	559 ± 79 (16)	616 ± 95 (16)	616 ± 90 (16)	513 ± 64 (17)	673 ± 86 (16)
34nmhc	1985	692 ± 102 (18)	540 ± 96 (18)	621 ± 100 (17)	603 ± 63 (17)	616 ± 71 (16)	836 ± 111 (17)	964 ± 148 (18)
34nmhc	1986	709 ± 84 (18)	608 ± 54 (18)	675 ± 80 (18)	531 ± 65 (17)	495 ± 78 (17)	567 ± 59 (17)	674 ± 81 (17)
34nmhc	1987	639 ± 84 (17)	523 ± 56 (18)	557 ± 79 (18)	658 ± 92 (18)	495 ± 69 (17)	477 ± 73 (17)	531 ± 87 (17)
34nmhc	1988	559 ± 79 (16)	330 ± 50 (16)	513 ± 74 (17)	557 ± 79 (18)	608 ± 95 (18)	608 ± 85 (18)	559 ± 62 (16)
34nmhc	1989	656 ± 108 (17)	603 ± 94 (17)	621 ± 116 (17)	585 ± 69 (17)	709 ± 84 (18)	625 ± 76 (18)	709 ± 91 (18)
34nmhc	1990	625 ± 103 (18)	513 ± 79 (17)	495 ± 78 (17)	495 ± 94 (17)	441 ± 65 (17)	404 ± 63 (18)	658 ± 60 (18)
34nmhc	1991	557 ± 66 (18)	404 ± 52 (18)	459 ± 62 (17)	387 ± 59 (17)	459 ± 72 (17)	423 ± 52 (17)	455 ± 47 (18)
34nmhc	1992	567 ± 83 (17)	540 ± 66 (18)	489 ± 82 (18)	506 ± 61 (18)	656 ± 98 (17)	549 ± 70 (17)	639 ± 92 (17)
34nmhc	1993	441 ± 84 (17)	369 ± 76 (17)	387 ± 65 (18)	404 ± 58 (18)	489 ± 82 (18)	459 ± 62 (17)	549 ± 98 (17)
34nmhc	1994	648 ± 88 (17)	475 ± 64 (17)	525 ± 55 (17)	567 ± 53 (18)	595 ± 65 (17)	648 ± 60 (17)	633 ± 45 (17)
34nmhc	1995	809 ± 51 (17)	646 ± 62 (17)	669 ± 72 (17)	565 ± 63 (17)	557 ± 62 (18)	667 ± 58 (18)	789 ± 79 (18)
34nmhc	1996	599 ± 57 (17)	511 ± 48 (17)	502 ± 33 (16)	477 ± 51 (17)	475 ± 53 (17)	497 ± 42 (17)	626 ± 55 (18)
34nmhc	1997	500 ± 56 (17)	389 ± 37 (16)	490 ± 46 (16)	513 ± 56 (15)	464 ± 47 (15)	460 ± 53 (16)	460 ± 59 (16)
34nmhc	1998	473 ± 43 (15)	437 ± 39 (16)	414 ± 49 (17)	351 ± 25 (17)	405 ± 37 (15)	452 ± 54 (16)	536 ± 52 (16)
34nmhc	81-84	790 ± 56 (66)	607 ± 38 (68)	670 ± 37 (69)	653 ± 41 (70)	732 ± 55 (69)	723 ± 53 (69)	838 ± 51 (67)
34nmhc	84-89	653 ± 41 (86)	524 ± 34 (87)	598 ± 40 (87)	587 ± 33 (87)	586 ± 36 (86)	622 ± 38 (87)	692 ± 47 (86)
34nmhc	90-94	568 ± 38 (87)	460 ± 30 (87)	470 ± 31 (87)	472 ± 30 (88)	528 ± 35 (86)	495 ± 29 (86)	586 ± 32 (87)
34nmhc	95-98	599 ± 30 (66)	498 ± 26 (66)	519 ± 28 (66)	475 ± 27 (66)	479 ± 26 (65)	523 ± 28 (67)	609 ± 34 (68)
67no	1981	74 ± 17 (17)	99 ± 21 (18)	113 ± 23 (17)	98 ± 21 (18)	98 ± 21 (17)	122 ± 23 (17)	84 ± 18 (17)
67no	1982	42 ± 7 (17)	91 ± 20 (17)	90 ± 17 (15)	101 ± 18 (18)	119 ± 23 (15)	123 ± 22 (15)	65 ± 12 (17)
67no	1983	46 ± 14 (17)	76 ± 17 (17)	113 ± 21 (17)	81 ± 15 (18)	81 ± 20 (18)	89 ± 18 (18)	65 ± 15 (17)
67no	1984	29 ± 7 (15)	79 ± 16 (15)	106 ± 24 (16)	104 ± 18 (16)	121 ± 20 (14)	90 ± 18 (16)	69 ± 16 (16)
67no	1985	49 ± 12 (18)	68 ± 16 (18)	86 ± 17 (17)	97 ± 16 (17)	98 ± 17 (17)	125 ± 19 (16)	87 ± 17 (18)
67no	1986	38 ± 10 (18)	80 ± 18 (18)	98 ± 20 (18)	76 ± 19 (17)	78 ± 13 (17)	96 ± 16 (17)	66 ± 13 (17)
67no	1987	40 ± 12 (17)	88 ± 14 (18)	86 ± 19 (18)	95 ± 20 (18)	84 ± 18 (16)	66 ± 15 (17)	46 ± 13 (17)
67no	1988	31 ± 7 (17)	65 ± 13 (17)	91 ± 17 (17)	89 ± 15 (17)	102 ± 22 (18)	92 ± 21 (18)	42 ± 8 (17)
67no	1989	50 ± 9 (17)	88 ± 15 (17)	93 ± 16 (16)	106 ± 16 (17)	110 ± 19 (18)	117 ± 22 (18)	77 ± 12 (18)
67no	1990	54 ± 9 (17)	86 ± 16 (16)	124 ± 22 (16)	92 ± 22 (17)	78 ± 13 (17)	74 ± 15 (18)	81 ± 11 (17)
67no	1991	38 ± 10 (18)	56 ± 13 (18)	57 ± 12 (15)	61 ± 16 (17)	74 ± 18 (17)	68 ± 16 (17)	33 ± 9 (18)
67no	1992	41 ± 10 (16)	70 ± 13 (17)	95 ± 21 (16)	94 ± 15 (18)	84 ± 17 (16)	89 ± 14 (17)	59 ± 14 (16)
67no	1993	33 ± 13 (17)	42 ± 11 (17)	64 ± 15 (18)	77 ± 17 (18)	78 ± 17 (18)	68 ± 14 (17)	56 ± 15 (17)
67no	1994	40 ± 9 (17)	74 ± 13 (17)	74 ± 15 (17)	105 ± 15 (18)	108 ± 17 (18)	115 ± 17 (18)	63 ± 9 (17)
67no	1995	56 ± 9 (15)	82 ± 15 (14)	97 ± 18 (14)	70 ± 14 (17)	80 ± 13 (18)	94 ± 11 (18)	72 ± 13 (16)
67no	1996	40 ± 11 (11)	55 ± 15 (11)	94 ± 20 (10)	121 ± 22 (10)	93 ± 18 (11)	89 ± 17 (11)	75 ± 12 (11)
67no	1997	33 ± 10 (17)	64 ± 15 (17)	89 ± 15 (16)	98 ± 17 (13)	78 ± 16 (15)	61 ± 15 (16)	40 ± 12 (16)
67no	1998	23 ± 5 (15)	58 ± 11 (16)	63 ± 16 (17)	54 ± 9 (17)	62 ± 11 (15)	79 ± 16 (16)	47 ± 10 (16)
67no	81-84	48 ± 6 (66)	87 ± 9 (67)	106 ± 11 (65)	96 ± 9 (70)	103 ± 10 (64)	106 ± 10 (66)	71 ± 8 (67)
67no	84-89	42 ± 4 (87)	78 ± 7 (88)	91 ± 8 (86)	93 ± 8 (86)	95 ± 8 (86)	99 ± 9 (86)	64 ± 6 (87)
67no	90-94	41 ± 5 (85)	65 ± 6 (85)	83 ± 8 (82)	86 ± 8 (88)	85 ± 7 (86)	83 ± 7 (87)	58 ± 5 (85)
67no	95-98	38 ± 5 (58)	65 ± 7 (58)	84 ± 9 (57)	81 ± 8 (57)	77 ± 7 (59)	80 ± 7 (61)	57 ± 6 (59)
67no2	1981	61 ± 5 (17)	61 ± 5 (18)	69 ± 6 (17)	64 ± 5 (18)	73 ± 8 (16)	69 ± 5 (17)	63 ± 4 (17)
67no2	1982	48 ± 5 (17)	55 ± 5 (17)	61 ± 9 (15)	66 ± 8 (18)	65 ± 6 (15)	71 ± 6 (14)	51 ± 6 (17)
67no2	1983	51 ± 6 (17)	59 ± 5 (17)	69 ± 5 (17)	58 ± 4 (18)	58 ± 3 (18)	59 ± 6 (17)	61 ± 4 (17)
67no2	1984	41 ± 7 (15)	46 ± 6 (15)	48 ± 4 (16)	53 ± 5 (16)	61 ± 6 (14)	54 ± 4 (16)	51 ± 5 (16)
67no2	1985	47 ± 6 (18)	49 ± 5 (18)	53 ± 5 (17)	62 ± 4 (17)	58 ± 6 (17)	61 ± 7 (16)	61 ± 5 (18)
67no2	1986	49 ± 4 (18)	52 ± 4 (18)	56 ± 4 (18)	52 ± 4 (17)	58 ± 5 (17)	56 ± 5 (17)	49 ± 4 (17)
67no2	1987	41 ± 4 (17)	51 ± 4 (18)	52 ± 3 (18)	55 ± 4 (18)	53 ± 4 (16)	49 ± 4 (17)	42 ± 4 (17)
67no2	1988	35 ± 5 (17)	39 ± 3 (17)	42 ± 3 (17)	47 ± 2 (17)	54 ± 4 (18)	48 ± 2 (18)	39 ± 3 (17)
67no2	1989	38 ± 6 (17)	46 ± 6 (17)	49 ± 6 (16)	52 ± 5 (17)	51 ± 4 (18)	52 ± 4 (18)	39 ± 3 (18)
67no2	1990	41 ± 4 (17)	44 ± 5 (16)	47 ± 4 (16)	45 ± 5 (17)	44 ± 4 (17)	39 ± 4 (18)	46 ± 4 (17)
67no2	1991	40 ± 4 (18)	43 ± 4 (18)	45 ± 6 (15)	38 ± 4 (17)	41 ± 5 (17)	45 ± 4 (17)	39 ± 3 (18)
67no2	1992	43 ± 4 (16)	45 ± 3 (17)	44 ± 4 (16)	48 ± 3 (18)	51 ± 4 (16)	53 ± 4 (17)	44 ± 4 (16)
67no2	1993	29 ± 3 (17)	33 ± 3 (17)	34 ± 3 (18)	36 ± 3 (18)	37 ± 3 (18)	39 ± 2 (17)	34 ± 3 (17)
67no2	1994	40 ± 3 (17)	41 ± 2 (17)	42 ± 2 (17)	44 ± 2 (18)	45 ± 2 (18)	48 ± 3 (18)	47 ± 2 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
67no2	1995	41 ± 2 (15)	41 ± 2 (14)	41 ± 3 (14)	43 ± 3 (17)	41 ± 2 (18)	44 ± 4 (18)	39 ± 3 (16)
67no2	1996	38 ± 3 (11)	42 ± 4 (11)	45 ± 3 (10)	50 ± 3 (10)	50 ± 5 (11)	47 ± 4 (11)	47 ± 3 (11)
67no2	1997	33 ± 3 (17)	39 ± 3 (17)	45 ± 3 (16)	49 ± 4 (13)	43 ± 3 (15)	40 ± 3 (16)	34 ± 3 (16)
67no2	1998	33 ± 3 (15)	41 ± 3 (16)	39 ± 3 (17)	39 ± 3 (17)	36 ± 3 (15)	40 ± 3 (16)	38 ± 3 (16)
67no2	81-84	51 ± 3 (66)	56 ± 3 (67)	62 ± 3 (65)	61 ± 3 (70)	64 ± 3 (63)	63 ± 3 (64)	56 ± 2 (67)
67no2	84-89	42 ± 2 (87)	48 ± 2 (88)	50 ± 2 (86)	54 ± 2 (86)	55 ± 2 (86)	53 ± 2 (86)	46 ± 2 (87)
67no2	90-94	39 ± 2 (85)	41 ± 2 (85)	42 ± 2 (82)	42 ± 2 (88)	44 ± 2 (86)	45 ± 2 (87)	42 ± 2 (85)
67no2	95-98	36 ± 2 (58)	41 ± 1 (58)	42 ± 2 (57)	44 ± 2 (57)	42 ± 2 (59)	43 ± 2 (61)	39 ± 2 (59)
67co	1981	2.9 ± 0.4 (17)	3.4 ± 0.5 (18)	3.9 ± 0.5 (18)	3.6 ± 0.5 (18)	3.9 ± 0.6 (16)	3.9 ± 0.6 (17)	3.0 ± 0.4 (17)
67co	1982	2.4 ± 0.3 (17)	3.2 ± 0.4 (17)	4.1 ± 0.5 (18)	3.8 ± 0.5 (18)	4.2 ± 0.6 (18)	4.1 ± 0.5 (17)	2.9 ± 0.3 (17)
67co	1983	1.9 ± 0.4 (17)	2.9 ± 0.4 (17)	3.6 ± 0.4 (17)	2.9 ± 0.4 (18)	3.0 ± 0.4 (18)	3.1 ± 0.4 (18)	2.6 ± 0.3 (17)
67co	1984	1.4 ± 0.3 (15)	2.4 ± 0.4 (16)	2.9 ± 0.4 (16)	3.3 ± 0.4 (16)	3.6 ± 0.4 (16)	2.8 ± 0.4 (17)	2.2 ± 0.4 (16)
67co	1985	2.3 ± 0.4 (18)	2.8 ± 0.5 (18)	2.8 ± 0.5 (17)	3.2 ± 0.4 (17)	3.6 ± 0.4 (16)	3.9 ± 0.4 (17)	3.2 ± 0.5 (18)
67co	1986	1.9 ± 0.3 (18)	2.9 ± 0.4 (18)	3.4 ± 0.5 (18)	2.6 ± 0.4 (17)	2.9 ± 0.4 (17)	3.2 ± 0.5 (17)	2.3 ± 0.4 (17)
67co	1987	1.7 ± 0.3 (17)	2.7 ± 0.3 (18)	2.8 ± 0.5 (17)	3.1 ± 0.5 (18)	2.6 ± 0.3 (17)	2.4 ± 0.3 (17)	1.9 ± 0.3 (17)
67co	1988	1.6 ± 0.3 (16)	2.1 ± 0.3 (16)	2.8 ± 0.4 (17)	2.9 ± 0.4 (18)	2.9 ± 0.5 (18)	2.7 ± 0.5 (18)	1.7 ± 0.3 (16)
67co	1989	1.9 ± 0.3 (17)	2.6 ± 0.4 (17)	2.8 ± 0.4 (17)	3.2 ± 0.4 (17)	3.4 ± 0.5 (18)	3.2 ± 0.5 (18)	2.2 ± 0.3 (18)
67co	1990	1.8 ± 0.3 (18)	2.7 ± 0.4 (17)	2.9 ± 0.4 (17)	2.5 ± 0.5 (17)	2.1 ± 0.3 (17)	1.8 ± 0.3 (18)	2.4 ± 0.3 (18)
67co	1991	1.7 ± 0.3 (18)	2.0 ± 0.3 (18)	2.2 ± 0.3 (17)	1.9 ± 0.4 (17)	2.2 ± 0.4 (17)	2.1 ± 0.3 (17)	1.4 ± 0.2 (18)
67co	1992	1.8 ± 0.3 (17)	2.4 ± 0.4 (18)	2.7 ± 0.5 (18)	2.5 ± 0.3 (18)	2.8 ± 0.4 (17)	2.5 ± 0.3 (17)	2.1 ± 0.4 (17)
67co	1993	1.2 ± 0.4 (17)	1.4 ± 0.3 (17)	1.7 ± 0.3 (18)	2.0 ± 0.4 (18)	2.0 ± 0.4 (18)	1.9 ± 0.3 (17)	1.7 ± 0.3 (17)
67co	1994	1.8 ± 0.2 (17)	2.2 ± 0.3 (17)	2.1 ± 0.3 (17)	2.6 ± 0.3 (18)	2.5 ± 0.3 (17)	2.8 ± 0.3 (17)	2.1 ± 0.2 (17)
67co	1995	2.4 ± 0.2 (17)	2.6 ± 0.3 (17)	2.5 ± 0.3 (17)	2.4 ± 0.3 (17)	2.4 ± 0.3 (18)	3.0 ± 0.3 (18)	2.4 ± 0.3 (18)
67co	1996	1.8 ± 0.2 (17)	1.8 ± 0.2 (17)	2.2 ± 0.2 (16)	2.3 ± 0.3 (17)	2.1 ± 0.3 (17)	2.0 ± 0.3 (17)	2.1 ± 0.2 (18)
67co	1997	1.3 ± 0.2 (17)	1.7 ± 0.3 (17)	2.3 ± 0.3 (15)	2.5 ± 0.3 (14)	2.0 ± 0.2 (15)	1.7 ± 0.3 (15)	1.4 ± 0.2 (16)
67co	1998	1.3 ± 0.1 (15)	1.7 ± 0.2 (16)	1.6 ± 0.2 (17)	1.4 ± 0.1 (17)	1.7 ± 0.2 (15)	1.9 ± 0.2 (16)	1.6 ± 0.2 (16)
67co	81-84	2.2 ± 0.2 (66)	3.0 ± 0.2 (68)	3.6 ± 0.2 (69)	3.4 ± 0.2 (70)	3.7 ± 0.3 (68)	3.5 ± 0.2 (69)	2.7 ± 0.2 (67)
67co	84-89	1.9 ± 0.1 (86)	2.6 ± 0.2 (87)	2.9 ± 0.2 (86)	3.0 ± 0.2 (87)	3.1 ± 0.2 (86)	3.1 ± 0.2 (87)	2.3 ± 0.2 (86)
67co	90-94	1.7 ± 0.1 (87)	2.1 ± 0.1 (87)	2.3 ± 0.2 (87)	2.3 ± 0.2 (88)	2.3 ± 0.2 (86)	2.2 ± 0.1 (86)	1.9 ± 0.1 (87)
67co	95-98	1.7 ± 0.1 (66)	2.0 ± 0.1 (67)	2.1 ± 0.1 (65)	2.1 ± 0.1 (65)	2.1 ± 0.1 (65)	2.2 ± 0.1 (66)	1.9 ± 0.1 (68)
67nmhc	1981	962 ± 128 (17)	1133 ± 153 (18)	1286 ± 163 (18)	1184 ± 144 (18)	1284 ± 188 (16)	1285 ± 180 (17)	998 ± 117 (17)
67nmhc	1982	818 ± 79 (17)	1070 ± 130 (17)	1320 ± 143 (18)	1235 ± 139 (18)	1371 ± 170 (18)	1321 ± 156 (17)	980 ± 106 (17)
67nmhc	1983	674 ± 137 (17)	962 ± 122 (17)	1177 ± 128 (17)	964 ± 107 (18)	998 ± 131 (18)	1032 ± 133 (18)	872 ± 95 (17)
67nmhc	1984	509 ± 93 (15)	826 ± 111 (16)	960 ± 124 (16)	1093 ± 127 (16)	1169 ± 136 (16)	944 ± 129 (17)	750 ± 109 (16)
67nmhc	1985	794 ± 108 (18)	930 ± 141 (18)	926 ± 140 (17)	1070 ± 119 (17)	1169 ± 134 (16)	1267 ± 136 (17)	1066 ± 145 (18)
67nmhc	1986	675 ± 80 (18)	964 ± 118 (18)	1116 ± 142 (18)	872 ± 117 (17)	980 ± 121 (17)	1052 ± 139 (17)	782 ± 107 (17)
67nmhc	1987	603 ± 77 (17)	913 ± 101 (18)	944 ± 158 (17)	1015 ± 155 (18)	890 ± 98 (17)	800 ± 101 (17)	656 ± 101 (17)
67nmhc	1988	559 ± 92 (16)	731 ± 88 (16)	944 ± 129 (17)	964 ± 118 (18)	981 ± 153 (18)	913 ± 160 (18)	597 ± 87 (16)
67nmhc	1989	656 ± 104 (17)	872 ± 120 (17)	926 ± 119 (17)	1070 ± 124 (17)	1116 ± 152 (18)	1066 ± 143 (18)	760 ± 87 (18)
67nmhc	1990	642 ± 83 (18)	908 ± 110 (17)	980 ± 116 (17)	836 ± 157 (17)	728 ± 94 (17)	642 ± 79 (18)	811 ± 89 (18)
67nmhc	1991	608 ± 77 (18)	692 ± 82 (18)	764 ± 106 (17)	656 ± 114 (17)	746 ± 123 (17)	710 ± 106 (17)	523 ± 62 (18)
67nmhc	1992	639 ± 88 (17)	828 ± 121 (18)	896 ± 137 (18)	845 ± 99 (18)	944 ± 123 (17)	836 ± 87 (17)	728 ± 117 (17)
67nmhc	1993	459 ± 110 (17)	513 ± 79 (17)	608 ± 101 (18)	692 ± 121 (18)	692 ± 116 (18)	656 ± 98 (17)	603 ± 101 (17)
67nmhc	1994	619 ± 63 (17)	743 ± 82 (17)	718 ± 87 (17)	860 ± 78 (18)	858 ± 95 (17)	926 ± 83 (17)	721 ± 69 (17)
67nmhc	1995	829 ± 47 (17)	883 ± 83 (17)	850 ± 99 (17)	818 ± 98 (17)	803 ± 83 (18)	998 ± 80 (18)	801 ± 79 (18)
67nmhc	1996	624 ± 68 (17)	642 ± 68 (17)	738 ± 73 (16)	775 ± 95 (17)	719 ± 76 (17)	703 ± 77 (17)	711 ± 65 (18)
67nmhc	1997	486 ± 54 (17)	603 ± 78 (17)	786 ± 84 (15)	834 ± 84 (14)	692 ± 62 (15)	607 ± 78 (15)	521 ± 70 (16)
67nmhc	1998	469 ± 42 (15)	593 ± 54 (16)	579 ± 65 (17)	524 ± 39 (17)	605 ± 54 (15)	647 ± 75 (16)	576 ± 53 (16)
67nmhc	81-84	748 ± 59 (66)	1002 ± 66 (68)	1192 ± 71 (69)	1120 ± 65 (70)	1204 ± 79 (68)	1144 ± 76 (69)	902 ± 54 (67)
67nmhc	84-89	660 ± 42 (86)	885 ± 51 (87)	973 ± 61 (86)	998 ± 56 (87)	1026 ± 60 (86)	1019 ± 62 (87)	778 ± 51 (86)
67nmhc	90-94	594 ± 38 (87)	737 ± 45 (87)	792 ± 51 (87)	779 ± 51 (88)	793 ± 50 (86)	753 ± 41 (86)	677 ± 40 (87)
67nmhc	95-98	606 ± 32 (66)	681 ± 38 (67)	737 ± 42 (65)	733 ± 43 (65)	710 ± 36 (65)	748 ± 43 (66)	658 ± 36 (68)
58hc_nox	1981	7.9 ± 0.6 (17)	7.8 ± 0.5 (18)	7.6 ± 0.5 (16)	7.4 ± 0.3 (18)	7.9 ± 0.4 (15)	6.9 ± 0.2 (16)	7.7 ± 0.6 (17)
58hc_nox	1982	9.9 ± 0.6 (17)	9.1 ± 0.8 (16)	8.8 ± 0.5 (14)	8.0 ± 0.4 (17)	8.2 ± 0.4 (18)	7.8 ± 0.5 (16)	8.9 ± 0.5 (17)
58hc_nox	1983	6.4 ± 0.6 (17)	7.8 ± 0.5 (17)	7.0 ± 0.3 (17)	7.5 ± 0.4 (18)	7.5 ± 0.5 (18)	7.4 ± 0.4 (18)	7.5 ± 0.5 (17)
58hc_nox	1984	10.9 ± 3.8 (15)	7.9 ± 0.5 (16)	7.6 ± 0.5 (16)	7.4 ± 0.4 (15)	6.8 ± 0.3 (14)	7.0 ± 0.3 (16)	8.5 ± 2.0 (16)
58hc_nox	1985	10.1 ± 0.9 (18)	8.4 ± 0.5 (18)	7.3 ± 0.3 (17)	7.1 ± 0.2 (16)	7.6 ± 0.4 (16)	7.2 ± 0.3 (16)	7.6 ± 0.2 (18)
58hc_nox	1986	8.3 ± 0.4 (18)	8.1 ± 0.6 (18)	7.9 ± 0.5 (18)	7.4 ± 0.4 (17)	7.2 ± 0.3 (17)	7.2 ± 0.2 (17)	7.1 ± 0.3 (17)
58hc_nox	1987	9.1 ± 1.0 (17)	7.9 ± 0.7 (17)	7.1 ± 0.5 (17)	7.3 ± 0.5 (18)	7.0 ± 0.4 (16)	7.2 ± 0.3 (17)	8.2 ± 0.5 (17)
58hc_nox	1988	8.6 ± 0.7 (16)	8.2 ± 0.6 (16)	7.5 ± 0.5 (17)	7.4 ± 0.3 (17)	7.3 ± 0.5 (18)	7.5 ± 0.5 (18)	7.9 ± 0.6 (16)
58hc_nox	1989	8.1 ± 0.6 (17)	7.2 ± 0.5 (17)	7.0 ± 0.3 (16)	6.8 ± 0.1 (16)	7.0 ± 0.3 (18)	6.8 ± 0.2 (18)	7.4 ± 0.5 (18)
58hc_nox	1990	6.8 ± 0.3 (17)	7.5 ± 0.5 (15)	6.6 ± 0.4 (16)	6.8 ± 0.3 (17)	6.5 ± 0.3 (17)	6.4 ± 0.5 (17)	6.9 ± 0.4 (17)
58hc_nox	1991	8.6 ± 0.5 (18)	7.7 ± 0.5 (18)	7.3 ± 0.5 (15)	7.9 ± 0.7 (17)	7.6 ± 0.6 (17)	7.3 ± 0.5 (17)	9.3 ± 1.0 (18)
58hc_nox	1992	7.3 ± 0.5 (16)	6.7 ± 0.3 (17)	6.3 ± 0.2 (16)	6.6 ± 0.3 (16)	6.7 ± 0.3 (16)	6.3 ± 0.4 (17)	7.0 ± 0.6 (16)
58hc_nox	1993	7.5 ± 0.8 (17)	6.7 ± 0.4 (17)	6.7 ± 0.3 (17)	6.2 ± 0.2 (18)	6.4 ± 0.3 (18)	6.9 ± 0.4 (17)	7.6 ± 0.5 (17)
58hc_nox	1994	9.0 ± 0.7 (17)	7.1 ± 0.4 (17)	6.8 ± 0.4 (17)	6.4 ± 0.4 (18)	6.5 ± 0.4 (17)	6.3 ± 0.4 (17)	7.1 ± 0.3 (17)
58hc_nox	1995	9.7 ± 0.5 (15)	8.1 ± 0.7 (14)	7.7 ± 0.8 (14)	7.7 ± 0.3 (16)	7.7 ± 0.5 (18)	8.1 ± 0.7 (17)	8.4 ± 0.4 (16)
58hc_nox	1996	8.3 ± 0.5 (10)	7.7 ± 0.7 (10)	6.1 ± 0.5 (9)	6.0 ± 0.3 (10)	6.0 ± 0.3 (11)	6.4 ± 0.3 (10)	7.0 ± 0.3 (11)
58hc_nox	1997	9.8 ± 0.9 (17)	7.1 ± 0.5 (17)	7.0 ± 0.7 (15)	6.4 ± 0.4 (13)	6.7 ± 0.4 (14)	7.4 ± 0.5 (15)	8.5 ± 0.6 (16)
58hc_nox	1998	10.4 ± 1.2 (15)	6.9 ± 0.6 (16)	6.9 ± 0.5 (17)	6.8 ± 0.5 (17)	6.9 ± 0.5 (15)	6.6 ± 0.5 (16)	8.2 ± 0.7 (16)
58hc_nox	81-84	8.7 ± 0.9 (66)	8.2 ± 0.3 (67)	7.7 ± 0.2 (63)	7.6 ± 0.2 (68)	7.6 ± 0.2 (65)	7.3 ± 0.2 (66)	8.2 ± 0.5 (67)
58hc_nox	84-89	8.9 ± 0.3 (86)	8.0 ± 0.3 (86)	7.4 ± 0.2 (85)	7.2 ± 0.2 (84)	7.2 ± 0.2 (85)	7.2 ± 0.1 (86)	7.6 ± 0.2 (86)
58hc_nox	90-94	7.9 ± 0.3 (85)	7.1 ± 0.2 (84)	6.7 ± 0.2 (81)	6.8 ± 0.2 (86)	6.7 ± 0.2 (85)	6.7 ± 0.2 (85)	7.6 ± 0.3 (85)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
58hc_nox	95-98	9.7 ± 0.4 (57)	7.4 ± 0.3 (57)	7.0 ± 0.3 (55)	6.8 ± 0.2 (56)	6.9 ± 0.2 (58)	7.2 ± 0.3 (58)	8.1 ± 0.3 (59)
maxo3hc_nox	1981	10.7 ± 0.7 (17)	10.8 ± 0.6 (18)	10.7 ± 0.4 (18)	11.0 ± 0.3 (18)	10.9 ± 0.4 (15)	10.7 ± 0.4 (16)	10.8 ± 0.6 (17)
maxo3hc_nox	1982	15.4 ± 0.9 (17)	14.0 ± 0.6 (14)	14.1 ± 0.8 (13)	13.8 ± 0.7 (16)	12.9 ± 1.0 (18)	13.1 ± 0.9 (17)	14.4 ± 0.9 (17)
maxo3hc_nox	1983	11.5 ± 1.2 (17)	11.0 ± 0.7 (17)	10.2 ± 1.1 (17)	11.4 ± 1.0 (18)	10.7 ± 1.0 (18)	10.4 ± 0.9 (18)	12.3 ± 1.0 (17)
maxo3hc_nox	1984	13.1 ± 2.2 (15)	12.4 ± 0.7 (16)	11.2 ± 0.6 (16)	10.9 ± 0.6 (14)	11.6 ± 0.6 (16)	11.7 ± 0.7 (15)	13.5 ± 1.9 (16)
maxo3hc_nox	1985	14.9 ± 1.6 (18)	12.9 ± 0.5 (18)	11.6 ± 0.5 (16)	11.5 ± 0.7 (16)	12.2 ± 0.8 (16)	12.5 ± 0.7 (16)	13.6 ± 0.6 (18)
maxo3hc_nox	1986	13.7 ± 0.6 (18)	12.6 ± 0.6 (17)	11.1 ± 0.5 (17)	11.4 ± 0.6 (17)	11.2 ± 0.6 (17)	11.5 ± 0.7 (17)	13.5 ± 0.9 (17)
maxo3hc_nox	1987	12.2 ± 1.0 (17)	11.2 ± 0.7 (17)	10.5 ± 0.4 (16)	10.4 ± 0.5 (17)	9.8 ± 0.8 (17)	10.0 ± 0.6 (16)	10.8 ± 1.1 (17)
maxo3hc_nox	1988	15.2 ± 1.6 (16)	12.0 ± 1.0 (17)	12.8 ± 1.8 (16)	10.8 ± 0.7 (17)	11.1 ± 0.6 (18)	11.5 ± 1.0 (17)	13.3 ± 0.9 (16)
maxo3hc_nox	1989	12.5 ± 1.1 (17)	9.5 ± 0.9 (17)	10.1 ± 0.6 (16)	10.1 ± 0.5 (17)	10.2 ± 0.5 (18)	10.3 ± 0.5 (18)	11.3 ± 0.8 (18)
maxo3hc_nox	1990	12.3 ± 1.2 (17)	8.6 ± 1.1 (16)	9.2 ± 0.7 (17)	10.7 ± 0.5 (16)	9.8 ± 0.6 (17)	10.4 ± 0.5 (15)	11.1 ± 0.7 (17)
maxo3hc_nox	1991	16.8 ± 2.0 (18)	10.4 ± 0.7 (17)	10.1 ± 0.4 (16)	10.9 ± 0.7 (16)	10.5 ± 0.7 (16)	10.2 ± 0.5 (17)	13.0 ± 1.1 (18)
maxo3hc_nox	1992	10.5 ± 1.0 (16)	10.2 ± 0.7 (16)	9.6 ± 0.6 (18)	9.0 ± 0.5 (18)	9.4 ± 0.7 (16)	9.0 ± 0.7 (16)	10.4 ± 1.2 (16)
maxo3hc_nox	1993	10.9 ± 0.7 (17)	10.0 ± 0.5 (17)	8.0 ± 1.0 (17)	8.9 ± 0.6 (18)	9.6 ± 0.5 (18)	9.8 ± 0.9 (16)	10.8 ± 0.9 (17)
maxo3hc_nox	1994	12.0 ± 0.6 (17)	9.6 ± 0.6 (16)	8.5 ± 0.8 (17)	8.3 ± 0.8 (18)	9.1 ± 0.6 (17)	10.0 ± 1.1 (16)	11.7 ± 0.5 (17)
maxo3hc_nox	1995	22.5 ± 5.5 (15)	13.7 ± 1.3 (14)	12.9 ± 0.8 (15)	12.2 ± 0.5 (16)	12.1 ± 0.6 (17)	11.8 ± 0.7 (16)	15.3 ± 0.7 (16)
maxo3hc_nox	1996	11.7 ± 0.4 (10)	9.9 ± 0.9 (9)	9.0 ± 0.2 (9)	8.9 ± 0.5 (10)	8.1 ± 0.9 (11)	9.3 ± 0.3 (11)	10.8 ± 0.4 (11)
maxo3hc_nox	1997	12.6 ± 0.7 (17)	10.4 ± 0.4 (16)	10.1 ± 0.5 (14)	9.3 ± 0.9 (14)	9.9 ± 0.9 (14)	10.0 ± 0.9 (16)	11.9 ± 0.5 (16)
maxo3hc_nox	1998	13.2 ± 0.6 (15)	10.2 ± 0.6 (16)	10.0 ± 0.4 (16)	10.1 ± 0.5 (17)	9.9 ± 0.4 (14)	10.4 ± 0.3 (16)	12.4 ± 0.7 (16)
maxo3hc_nox	81-84	12.7 ± 0.7 (66)	11.9 ± 0.4 (65)	11.4 ± 0.4 (64)	11.8 ± 0.4 (66)	11.5 ± 0.4 (67)	11.5 ± 0.4 (66)	12.7 ± 0.6 (67)
maxo3hc_nox	84-89	13.7 ± 0.6 (86)	11.7 ± 0.4 (86)	11.2 ± 0.4 (81)	10.8 ± 0.3 (84)	10.9 ± 0.3 (86)	11.1 ± 0.3 (84)	12.5 ± 0.4 (86)
maxo3hc_nox	90-94	12.5 ± 0.6 (85)	9.8 ± 0.3 (82)	9.1 ± 0.3 (85)	9.5 ± 0.3 (86)	9.7 ± 0.3 (84)	9.9 ± 0.3 (80)	11.4 ± 0.4 (85)
maxo3hc_nox	95-98	15.2 ± 1.5 (57)	11.1 ± 0.4 (55)	10.7 ± 0.3 (54)	10.3 ± 0.4 (57)	10.2 ± 0.4 (56)	10.5 ± 0.4 (59)	12.8 ± 0.4 (59)
tno-o3	1981	7.7 ± 0.2 (14)	8.1 ± 0.3 (15)	8.5 ± 0.2 (13)	8.5 ± 0.2 (16)	8.0 ± 0.2 (14)	8.4 ± 0.1 (15)	7.8 ± 0.1 (17)
tno-o3	1982	7.6 ± 0.4 (15)	9.0 ± 0.5 (11)	7.9 ± 0.3 (8)	8.2 ± 0.2 (13)	8.8 ± 0.3 (8)	8.2 ± 0.3 (8)	8.3 ± 0.4 (16)
tno-o3	1983	7.1 ± 0.3 (13)	8.1 ± 0.3 (13)	8.1 ± 0.4 (10)	8.0 ± 0.2 (15)	8.0 ± 0.4 (16)	8.5 ± 0.4 (14)	7.8 ± 0.2 (13)
tno-o3	1984	8.3 ± 0.5 (12)	8.8 ± 0.2 (10)	8.6 ± 0.3 (9)	8.6 ± 0.3 (12)	8.5 ± 0.1 (14)	8.6 ± 0.1 (13)	8.0 ± 0.2 (14)
tno-o3	1985	7.2 ± 0.1 (14)	8.3 ± 0.2 (11)	8.4 ± 0.2 (15)	8.4 ± 0.2 (14)	8.5 ± 0.3 (15)	8.6 ± 0.3 (15)	7.6 ± 0.2 (18)
tno-o3	1986	6.9 ± 0.2 (15)	8.1 ± 0.3 (7)	8.3 ± 0.2 (14)	8.3 ± 0.2 (14)	8.2 ± 0.1 (16)	8.3 ± 0.1 (15)	7.9 ± 0.2 (16)
tno-o3	1987	7.1 ± 0.3 (12)	8.3 ± 0.3 (9)	8.7 ± 0.1 (12)	8.5 ± 0.4 (12)	9.0 ± 0.3 (14)	8.8 ± 0.4 (14)	7.5 ± 0.3 (15)
tno-o3	1988	7.1 ± 0.2 (13)	8.4 ± 0.3 (13)	8.0 ± 0.2 (8)	8.3 ± 0.2 (12)	8.8 ± 0.3 (13)	8.8 ± 0.2 (15)	7.8 ± 0.2 (16)
tno-o3	1989	7.6 ± 0.2 (16)	9.1 ± 0.4 (10)	9.3 ± 0.3 (9)	9.4 ± 0.2 (14)	9.2 ± 0.2 (16)	9.3 ± 0.2 (17)	9.0 ± 0.2 (17)
tno-o3	1990	7.5 ± 0.2 (16)	8.6 ± 0.2 (14)	8.2 ± 0.3 (7)	8.1 ± 0.3 (12)	8.5 ± 0.2 (14)	8.3 ± 0.3 (15)	7.9 ± 0.2 (17)
tno-o3	1991	7.1 ± 0.3 (15)	8.6 ± 0.2 (12)	8.4 ± 0.2 (14)	8.7 ± 0.2 (13)	8.4 ± 0.3 (12)	8.9 ± 0.3 (15)	7.6 ± 0.3 (16)
tno-o3	1992	7.1 ± 0.2 (14)	8.4 ± 0.3 (14)	8.6 ± 0.2 (16)	8.4 ± 0.2 (13)	8.4 ± 0.2 (15)	8.8 ± 0.2 (15)	7.9 ± 0.3 (15)
tno-o3	1993	8.1 ± 0.4 (10)	9.2 ± 0.3 (15)	8.9 ± 0.3 (17)	9.0 ± 0.2 (14)	8.9 ± 0.2 (15)	8.6 ± 0.3 (16)	8.3 ± 0.5 (15)
tno-o3	1994	7.7 ± 0.2 (13)	8.9 ± 0.3 (15)	8.9 ± 0.2 (14)	9.3 ± 0.2 (15)	9.5 ± 0.2 (17)	9.1 ± 0.2 (16)	8.5 ± 0.2 (17)
tno-o3	1995	7.5 ± 0.2 (14)	8.3 ± 0.3 (13)	8.7 ± 0.1 (12)	8.6 ± 0.2 (16)	8.8 ± 0.2 (14)	8.5 ± 0.2 (15)	8.1 ± 0.3 (15)
tno-o3	1996	7.8 ± 0.3 (8)	8.9 ± 0.3 (8)	9.2 ± 0.4 (6)	9.2 ± 0.3 (10)	9.6 ± 0.3 (8)	9.5 ± 0.3 (10)	8.6 ± 0.2 (11)
tno-o3	1997	7.5 ± 0.3 (11)	8.4 ± 0.3 (13)	8.8 ± 0.4 (11)	9.0 ± 0.4 (10)	9.1 ± 0.3 (10)	9.0 ± 0.2 (12)	8.3 ± 0.3 (9)
tno-o3	1998	7.5 ± 0.1 (11)	9.3 ± 0.3 (12)	9.4 ± 0.3 (13)	8.8 ± 0.3 (15)	8.7 ± 0.4 (11)	9.3 ± 0.2 (15)	8.1 ± 0.3 (13)
tno-o3	81-84	7.7 ± 0.2 (54)	8.5 ± 0.2 (49)	8.3 ± 0.1 (40)	8.3 ± 0.1 (56)	8.3 ± 0.1 (52)	8.5 ± 0.1 (50)	8.0 ± 0.1 (60)
tno-o3	84-89	7.2 ± 0.1 (70)	8.5 ± 0.1 (50)	8.5 ± 0.1 (58)	8.6 ± 0.1 (66)	8.7 ± 0.1 (74)	8.8 ± 0.1 (76)	8.0 ± 0.1 (82)
tno-o3	90-94	7.5 ± 0.1 (68)	8.7 ± 0.1 (70)	8.6 ± 0.1 (68)	8.7 ± 0.1 (67)	8.8 ± 0.1 (73)	8.7 ± 0.1 (77)	8.0 ± 0.1 (80)
tno-o3	95-98	7.6 ± 0.1 (44)	8.7 ± 0.2 (46)	9.0 ± 0.2 (42)	8.8 ± 0.1 (51)	9.0 ± 0.2 (43)	9.0 ± 0.1 (52)	8.2 ± 0.1 (48)
to3max	1981	12.2 ± 0.2 (17)	12.3 ± 0.2 (18)	12.4 ± 0.2 (18)	12.4 ± 0.3 (18)	12.1 ± 0.3 (17)	12.3 ± 0.2 (17)	12.1 ± 0.3 (17)
to3max	1982	11.9 ± 0.5 (17)	12.5 ± 0.3 (17)	12.7 ± 0.3 (17)	12.6 ± 0.3 (17)	12.4 ± 0.3 (17)	13.1 ± 0.3 (17)	13.2 ± 0.4 (17)
to3max	1983	12.8 ± 0.2 (17)	12.6 ± 0.3 (17)	12.5 ± 0.3 (17)	12.2 ± 0.2 (18)	12.9 ± 0.3 (17)	12.6 ± 0.3 (16)	13.1 ± 0.2 (17)
to3max	1984	12.8 ± 0.3 (16)	12.4 ± 0.2 (17)	12.6 ± 0.4 (16)	12.6 ± 0.3 (17)	12.2 ± 0.3 (17)	12.1 ± 0.3 (16)	12.3 ± 0.3 (16)
to3max	1985	12.0 ± 0.3 (18)	12.0 ± 0.2 (18)	12.2 ± 0.3 (17)	12.4 ± 0.3 (17)	12.1 ± 0.3 (17)	12.6 ± 0.3 (17)	11.9 ± 0.2 (18)
to3max	1986	12.2 ± 0.2 (18)	12.1 ± 0.3 (18)	12.3 ± 0.2 (18)	12.2 ± 0.2 (16)	12.5 ± 0.2 (17)	12.5 ± 0.2 (17)	12.7 ± 0.1 (17)
to3max	1987	12.3 ± 0.2 (17)	12.7 ± 0.3 (18)	12.3 ± 0.2 (18)	12.7 ± 0.2 (18)	12.5 ± 0.3 (17)	11.8 ± 0.6 (17)	12.4 ± 0.2 (16)
to3max	1988	12.6 ± 0.3 (17)	12.4 ± 0.2 (16)	12.3 ± 0.3 (16)	12.7 ± 0.3 (18)	12.4 ± 0.3 (18)	12.6 ± 0.3 (18)	12.8 ± 0.2 (17)
to3max	1989	11.8 ± 0.2 (17)	12.3 ± 0.3 (17)	12.2 ± 0.3 (17)	12.3 ± 0.3 (17)	12.3 ± 0.3 (18)	12.6 ± 0.3 (18)	12.4 ± 0.3 (18)
to3max	1990	11.9 ± 0.2 (18)	12.2 ± 0.3 (17)	12.1 ± 0.3 (17)	12.4 ± 0.4 (17)	12.9 ± 0.3 (17)	12.8 ± 0.3 (18)	12.3 ± 0.3 (18)
to3max	1991	12.6 ± 0.2 (18)	13.2 ± 0.2 (18)	12.5 ± 0.3 (17)	13.2 ± 0.3 (17)	13.0 ± 0.2 (17)	12.9 ± 0.3 (17)	12.8 ± 0.2 (18)
to3max	1992	11.8 ± 0.3 (17)	12.2 ± 0.3 (18)	12.5 ± 0.3 (18)	12.4 ± 0.4 (18)	12.3 ± 0.2 (17)	12.0 ± 0.7 (17)	12.3 ± 0.2 (17)
to3max	1993	12.5 ± 0.3 (17)	12.6 ± 0.3 (17)	12.8 ± 0.3 (18)	12.4 ± 0.3 (18)	11.7 ± 0.7 (18)	12.6 ± 0.2 (17)	12.7 ± 0.2 (17)
to3max	1994	12.2 ± 0.3 (17)	13.7 ± 0.4 (17)	12.8 ± 0.3 (17)	12.8 ± 0.3 (17)	13.2 ± 0.3 (18)	12.7 ± 0.2 (18)	13.1 ± 0.6 (17)
to3max	1995	12.4 ± 0.2 (17)	13.1 ± 0.4 (17)	13.4 ± 0.4 (17)	12.8 ± 0.2 (17)	12.0 ± 0.7 (18)	12.8 ± 0.3 (17)	13.3 ± 0.3 (18)
to3max	1996	13.1 ± 0.3 (18)	13.6 ± 0.3 (18)	13.4 ± 0.2 (17)	13.5 ± 0.3 (17)	12.8 ± 0.2 (17)	13.4 ± 0.4 (17)	12.7 ± 0.3 (18)
to3max	1997	12.8 ± 0.3 (17)	13.0 ± 0.3 (17)	14.1 ± 0.4 (16)	12.9 ± 0.4 (15)	12.9 ± 0.3 (14)	13.6 ± 0.3 (16)	13.5 ± 0.3 (16)
to3max	1998	13.5 ± 0.3 (15)	13.7 ± 0.2 (15)	13.5 ± 0.4 (17)	13.3 ± 0.4 (17)	13.6 ± 0.3 (15)	14.0 ± 0.3 (16)	13.9 ± 0.3 (16)
to3max	81-84	12.4 ± 0.2 (67)	12.5 ± 0.1 (69)	12.6 ± 0.1 (68)	12.4 ± 0.1 (70)	12.4 ± 0.2 (68)	12.5 ± 0.1 (66)	12.7 ± 0.2 (67)
to3max	84-89	12.2 ± 0.1 (87)	12.3 ± 0.1 (87)	12.3 ± 0.1 (86)	12.5 ± 0.1 (86)	12.4 ± 0.1 (87)	12.4 ± 0.2 (87)	12.4 ± 0.1 (86)
to3max	90-94	12.2 ± 0.1 (87)	12.8 ± 0.1 (87)	12.5 ± 0.1 (87)	12.6 ± 0.2 (87)	12.6 ± 0.2 (87)	12.6 ± 0.2 (87)	12.6 ± 0.1 (87)
to3max	95-98	13.0 ± 0.1 (67)	13.3 ± 0.2 (67)	13.6 ± 0.2 (67)	13.1 ± 0.2 (66)	12.8 ± 0.2 (64)	13.4 ± 0.2 (66)	13.3 ± 0.2 (68)
to3acc	1981	4.5 ± 0.2 (14)	4.1 ± 0.4 (15)	3.9 ± 0.3 (13)	3.8 ± 0.4 (16)	4.1 ± 0.4 (14)	3.8 ± 0.3 (15)	4.2 ± 0.3 (17)
to3acc	1982	4.2 ± 0.9 (15)	3.7 ± 0.3 (11)	4.7 ± 0.2 (8)	4.3 ± 0.4 (13)	3.3 ± 0.6 (8)	4.7 ± 0.5 (8)	4.9 ± 0.5 (16)
to3acc	1983	5.7 ± 0.4 (13)	4.4 ± 0.4 (13)	4.6 ± 0.3 (10)	4.3 ± 0.2 (15)	4.8 ± 0.5 (16)	4.4 ± 0.3 (13)	5.3 ± 0.4 (13)
to3acc	1984	4.9 ± 0.4 (12)	3.2 ± 0.3 (10)	3.7 ± 0.4 (9)	4.1 ± 0.4 (12)	3.8 ± 0.4 (14)	3.5 ± 0.3 (13)	4.2 ± 0.2 (14)
to3acc	1985	4.7 ± 0.4 (14)	3.4 ± 0.4 (11)	3.9 ± 0.3 (15)	4.0 ± 0.4 (14)	3.7 ± 0.4 (15)	4.2 ± 0.3 (15)	4.4 ± 0.3 (18)
to3acc	1986	5.1 ± 0.3 (15)	4.0 ± 0.4 (7)	3.9 ± 0.3 (14)	3.7 ± 0.3 (14)	4.3 ± 0.2 (16)	4.1 ± 0.2 (15)	4.8 ± 0.2 (16)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
to3acc	1987	5.1 ± 0.4 (12)	4.3 ± 0.4 (9)	3.5 ± 0.3 (12)	4.0 ± 0.3 (12)	3.7 ± 0.4 (14)	2.8 ± 0.9 (14)	4.9 ± 0.3 (15)
to3acc	1988	5.3 ± 0.4 (13)	3.8 ± 0.4 (12)	3.8 ± 0.3 (8)	4.4 ± 0.3 (12)	3.6 ± 0.3 (13)	3.6 ± 0.3 (15)	4.9 ± 0.3 (16)
to3acc	1989	4.2 ± 0.3 (16)	3.5 ± 0.4 (10)	3.5 ± 0.4 (9)	3.0 ± 0.3 (14)	3.0 ± 0.2 (16)	3.3 ± 0.3 (17)	3.4 ± 0.3 (17)
to3acc	1990	4.3 ± 0.3 (16)	3.5 ± 0.4 (14)	3.0 ± 0.5 (7)	3.6 ± 0.4 (12)	4.4 ± 0.4 (14)	4.5 ± 0.5 (15)	4.4 ± 0.3 (17)
to3acc	1991	5.4 ± 0.3 (15)	4.6 ± 0.4 (12)	4.4 ± 0.3 (14)	4.5 ± 0.4 (13)	4.5 ± 0.4 (12)	4.1 ± 0.3 (15)	5.2 ± 0.4 (16)
to3acc	1992	4.8 ± 0.5 (14)	3.7 ± 0.3 (14)	3.9 ± 0.3 (16)	3.7 ± 0.6 (13)	3.9 ± 0.3 (15)	3.1 ± 1.0 (15)	4.4 ± 0.4 (15)
to3acc	1993	4.1 ± 0.4 (10)	3.4 ± 0.4 (15)	4.0 ± 0.4 (17)	3.6 ± 0.4 (14)	2.6 ± 1.0 (15)	4.1 ± 0.4 (16)	4.3 ± 0.4 (15)
to3acc	1994	4.3 ± 0.4 (13)	4.6 ± 0.5 (15)	3.9 ± 0.4 (14)	3.4 ± 0.2 (15)	3.7 ± 0.3 (17)	3.7 ± 0.3 (16)	4.6 ± 0.6 (17)
to3acc	1995	5.0 ± 0.3 (14)	4.7 ± 0.5 (13)	4.2 ± 0.4 (12)	4.3 ± 0.2 (16)	3.9 ± 0.4 (14)	4.1 ± 0.5 (14)	5.1 ± 0.4 (15)
to3acc	1996	5.3 ± 0.7 (8)	4.2 ± 0.5 (8)	3.8 ± 0.6 (6)	4.0 ± 0.4 (10)	3.0 ± 0.2 (8)	3.3 ± 0.4 (10)	4.1 ± 0.4 (11)
to3acc	1997	5.1 ± 0.4 (11)	4.9 ± 0.5 (13)	5.5 ± 0.5 (11)	3.6 ± 0.5 (10)	3.8 ± 0.4 (10)	4.5 ± 0.5 (12)	4.9 ± 0.4 (9)
to3acc	1998	6.0 ± 0.3 (11)	4.5 ± 0.4 (12)	4.4 ± 0.4 (13)	4.6 ± 0.7 (15)	4.7 ± 0.6 (11)	4.7 ± 0.4 (15)	5.8 ± 0.4 (13)
to3acc	81-84	4.8 ± 0.3 (54)	3.9 ± 0.2 (49)	4.2 ± 0.2 (40)	4.1 ± 0.2 (56)	4.1 ± 0.2 (52)	4.0 ± 0.2 (49)	4.6 ± 0.2 (60)
to3acc	84-89	4.9 ± 0.2 (70)	3.8 ± 0.2 (49)	3.7 ± 0.1 (58)	3.8 ± 0.1 (66)	3.7 ± 0.2 (74)	3.6 ± 0.2 (76)	4.4 ± 0.1 (82)
to3acc	90-94	4.6 ± 0.2 (68)	3.9 ± 0.2 (70)	3.9 ± 0.2 (68)	3.8 ± 0.2 (67)	3.8 ± 0.3 (73)	3.9 ± 0.2 (77)	4.6 ± 0.2 (80)
to3acc	95-98	5.4 ± 0.2 (44)	4.6 ± 0.2 (46)	4.5 ± 0.2 (42)	4.2 ± 0.2 (51)	3.9 ± 0.2 (43)	4.2 ± 0.2 (51)	5.0 ± 0.2 (48)
o3rate	1981	24.4 ± 1.5 (14)	27.3 ± 1.7 (15)	24.5 ± 2.2 (13)	30.1 ± 3.2 (16)	34.1 ± 3.5 (14)	30.5 ± 4.0 (15)	29.1 ± 2.1 (17)
o3rate	1982	20.2 ± 2.5 (15)	22.6 ± 2.8 (11)	21.3 ± 3.7 (8)	21.7 ± 3.2 (13)	24.4 ± 3.4 (7)	25.4 ± 4.2 (8)	20.9 ± 2.5 (16)
o3rate	1983	26.7 ± 3.1 (13)	32.2 ± 5.7 (13)	28.9 ± 4.3 (10)	31.2 ± 3.7 (15)	24.2 ± 3.5 (16)	28.8 ± 4.0 (13)	24.3 ± 3.6 (13)
o3rate	1984	19.4 ± 1.9 (12)	25.0 ± 3.4 (10)	23.4 ± 3.5 (9)	24.1 ± 2.9 (12)	30.4 ± 4.2 (14)	25.9 ± 3.5 (13)	22.0 ± 1.8 (14)
o3rate	1985	25.5 ± 3.5 (14)	26.2 ± 3.8 (11)	24.3 ± 2.7 (15)	28.3 ± 3.8 (14)	29.0 ± 3.9 (15)	28.3 ± 3.7 (15)	28.2 ± 3.2 (18)
o3rate	1986	25.2 ± 2.7 (15)	23.0 ± 2.9 (7)	25.8 ± 3.2 (14)	29.1 ± 2.9 (14)	24.3 ± 2.6 (16)	24.5 ± 2.9 (15)	27.3 ± 3.0 (16)
o3rate	1987	23.2 ± 3.3 (12)	22.6 ± 3.1 (9)	26.3 ± 2.8 (12)	23.3 ± 3.7 (12)	22.9 ± 3.2 (14)	25.1 ± 3.2 (14)	21.9 ± 2.8 (15)
o3rate	1988	19.1 ± 1.9 (13)	18.5 ± 2.1 (12)	23.4 ± 3.7 (8)	26.5 ± 3.2 (12)	27.3 ± 2.8 (13)	26.5 ± 2.9 (15)	20.9 ± 2.0 (16)
o3rate	1989	17.4 ± 1.7 (16)	17.1 ± 2.3 (10)	18.0 ± 3.2 (9)	23.8 ± 2.9 (14)	25.6 ± 2.8 (16)	18.3 ± 1.8 (17)	21.1 ± 2.3 (17)
o3rate	1990	20.4 ± 2.1 (16)	19.4 ± 1.8 (14)	18.0 ± 4.2 (7)	21.4 ± 2.9 (12)	18.7 ± 1.4 (14)	21.7 ± 3.2 (15)	21.7 ± 2.4 (17)
o3rate	1991	20.0 ± 1.5 (15)	18.7 ± 3.1 (12)	19.9 ± 2.1 (14)	18.0 ± 1.9 (13)	20.4 ± 3.0 (12)	21.5 ± 3.0 (15)	19.1 ± 1.8 (16)
o3rate	1992	23.3 ± 3.0 (14)	19.6 ± 2.6 (14)	20.8 ± 2.2 (16)	22.2 ± 3.1 (13)	25.4 ± 2.4 (15)	20.6 ± 3.3 (15)	22.3 ± 3.0 (15)
o3rate	1993	16.5 ± 2.8 (10)	15.9 ± 2.3 (15)	14.6 ± 2.2 (17)	16.6 ± 2.4 (14)	18.7 ± 2.6 (15)	15.9 ± 2.3 (16)	19.3 ± 3.6 (15)
o3rate	1994	19.9 ± 1.8 (13)	14.7 ± 2.3 (15)	16.1 ± 2.5 (14)	16.2 ± 1.6 (15)	18.5 ± 2.5 (17)	18.9 ± 2.0 (16)	20.2 ± 2.2 (17)
o3rate	1995	16.5 ± 1.8 (14)	15.2 ± 2.1 (13)	18.4 ± 2.0 (12)	15.3 ± 1.8 (16)	15.4 ± 2.4 (14)	16.7 ± 2.5 (14)	15.7 ± 2.0 (15)
o3rate	1996	13.1 ± 1.5 (8)	10.1 ± 1.1 (8)	11.2 ± 1.8 (6)	12.7 ± 1.6 (10)	14.5 ± 1.1 (8)	13.2 ± 2.1 (10)	12.6 ± 1.9 (11)
o3rate	1997	13.8 ± 1.4 (11)	10.5 ± 1.4 (13)	9.1 ± 0.7 (11)	15.0 ± 2.3 (10)	11.8 ± 1.3 (10)	10.5 ± 1.5 (12)	13.8 ± 1.7 (9)
o3rate	1998	14.2 ± 1.7 (11)	11.3 ± 1.8 (12)	12.5 ± 1.6 (13)	10.6 ± 1.2 (15)	12.9 ± 4.0 (11)	12.6 ± 2.6 (15)	12.9 ± 1.8 (13)
o3rate	81-84	22.7 ± 1.2 (54)	27.1 ± 1.9 (49)	24.7 ± 1.7 (40)	27.1 ± 1.7 (56)	28.6 ± 2.0 (51)	28.0 ± 2.0 (49)	24.2 ± 1.3 (60)
o3rate	84-89	22.0 ± 1.2 (70)	21.3 ± 1.3 (49)	24.0 ± 1.4 (58)	26.3 ± 1.5 (66)	25.8 ± 1.4 (74)	24.4 ± 1.3 (76)	24.0 ± 1.2 (82)
o3rate	90-94	20.3 ± 1.0 (68)	17.6 ± 1.1 (70)	17.8 ± 1.1 (68)	18.7 ± 1.1 (67)	20.3 ± 1.1 (73)	19.7 ± 1.2 (77)	20.5 ± 1.2 (80)
o3rate	95-98	14.6 ± 0.8 (44)	11.9 ± 0.9 (46)	13.1 ± 1.0 (42)	13.3 ± 0.9 (51)	13.8 ± 1.3 (43)	13.4 ± 1.2 (51)	13.9 ± 1.0 (48)

**APPENDIX A**  
**Average Day of the Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
o3max	1981	151 ± 11 (17)	124 ± 10 (18)	143 ± 17 (18)	150 ± 18 (18)	179 ± 16 (17)	164 ± 12 (17)	148 ± 12 (17)
o3max	1982	119 ± 11 (17)	105 ± 12 (17)	133 ± 18 (18)	113 ± 20 (18)	138 ± 21 (18)	108 ± 18 (17)	122 ± 13 (17)
o3max	1983	161 ± 17 (17)	159 ± 19 (17)	149 ± 16 (17)	134 ± 15 (18)	114 ± 14 (18)	147 ± 18 (18)	161 ± 20 (17)
o3max	1984	133 ± 15 (18)	129 ± 15 (17)	131 ± 15 (17)	140 ± 17 (17)	129 ± 12 (17)	133 ± 14 (18)	127 ± 13 (18)
o3max	1985	127 ± 13 (18)	102 ± 12 (18)	111 ± 13 (17)	115 ± 16 (17)	121 ± 18 (17)	131 ± 17 (17)	144 ± 15 (18)
o3max	1986	137 ± 13 (18)	111 ± 9 (18)	111 ± 12 (18)	116 ± 9 (17)	116 ± 11 (17)	118 ± 13 (17)	131 ± 13 (17)
o3max	1987	133 ± 11 (17)	111 ± 9 (18)	127 ± 12 (18)	112 ± 10 (18)	96 ± 9 (17)	110 ± 14 (17)	121 ± 12 (17)
o3max	1988	122 ± 13 (17)	95 ± 6 (17)	111 ± 9 (17)	109 ± 14 (18)	128 ± 12 (18)	122 ± 10 (18)	126 ± 16 (17)
o3max	1989	121 ± 13 (17)	105 ± 12 (17)	119 ± 14 (17)	124 ± 16 (17)	116 ± 13 (18)	113 ± 12 (18)	118 ± 14 (18)
o3max	1990	111 ± 12 (18)	102 ± 9 (17)	95 ± 9 (17)	87 ± 8 (17)	91 ± 8 (17)	97 ± 9 (18)	104 ± 9 (18)
o3max	1991	134 ± 10 (18)	89 ± 8 (18)	96 ± 12 (17)	91 ± 8 (17)	102 ± 13 (17)	118 ± 13 (17)	109 ± 10 (18)
o3max	1992	118 ± 13 (17)	92 ± 10 (18)	88 ± 8 (18)	93 ± 9 (18)	97 ± 8 (17)	86 ± 7 (17)	121 ± 13 (17)
o3max	1993	109 ± 12 (16)	86 ± 8 (17)	92 ± 8 (18)	97 ± 7 (18)	89 ± 7 (18)	98 ± 11 (17)	108 ± 11 (16)
o3max	1994	114 ± 9 (17)	83 ± 6 (17)	88 ± 7 (17)	85 ± 6 (18)	92 ± 9 (18)	97 ± 9 (18)	112 ± 7 (17)
o3max	1995	102 ± 9 (17)	84 ± 8 (17)	88 ± 6 (17)	87 ± 7 (17)	81 ± 7 (18)	86 ± 7 (18)	108 ± 9 (18)
o3max	1996	84 ± 6 (18)	67 ± 4 (18)	65 ± 4 (17)	69 ± 6 (17)	68 ± 7 (17)	67 ± 5 (17)	88 ± 6 (18)
o3max	1997	81 ± 5 (18)	63 ± 4 (18)	61 ± 4 (18)	63 ± 3 (17)	66 ± 7 (17)	61 ± 5 (17)	77 ± 7 (17)
o3max	1998	98 ± 10 (17)	68 ± 6 (18)	71 ± 6 (18)	68 ± 6 (18)	67 ± 6 (17)	71 ± 8 (17)	84 ± 8 (17)
o3max	81-84	141 ± 7 (69)	129 ± 7 (69)	139 ± 8 (70)	134 ± 9 (71)	140 ± 9 (70)	138 ± 8 (70)	139 ± 7 (69)
o3max	84-89	128 ± 6 (87)	105 ± 4 (88)	116 ± 5 (87)	115 ± 6 (87)	115 ± 6 (87)	119 ± 6 (87)	128 ± 6 (87)
o3max	90-94	117 ± 5 (86)	91 ± 4 (87)	92 ± 4 (87)	90 ± 3 (88)	94 ± 4 (87)	99 ± 4 (87)	111 ± 4 (86)
o3max	95-98	91 ± 4 (70)	70 ± 3 (71)	71 ± 3 (70)	72 ± 3 (69)	71 ± 3 (69)	71 ± 3 (69)	90 ± 4 (70)
34no2	1981	44 ± 4 (17)	41 ± 3 (18)	41 ± 4 (18)	45 ± 4 (18)	49 ± 5 (17)	53 ± 5 (17)	48 ± 6 (17)
34no2	1982	42 ± 3 (17)	42 ± 4 (17)	44 ± 3 (18)	49 ± 3 (18)	48 ± 4 (18)	48 ± 5 (17)	48 ± 4 (17)
34no2	1983	48 ± 5 (17)	38 ± 4 (17)	44 ± 5 (17)	42 ± 3 (18)	39 ± 3 (16)	44 ± 4 (18)	49 ± 5 (17)
34no2	1984	31 ± 4 (18)	28 ± 3 (17)	33 ± 4 (17)	36 ± 4 (17)	35 ± 2 (17)	36 ± 3 (18)	37 ± 3 (18)
34no2	1985	42 ± 4 (18)	37 ± 3 (18)	36 ± 5 (17)	41 ± 3 (17)	41 ± 4 (17)	48 ± 6 (16)	48 ± 5 (18)
34no2	1986	41 ± 5 (18)	40 ± 4 (18)	43 ± 4 (18)	39 ± 3 (17)	41 ± 4 (17)	38 ± 3 (17)	39 ± 3 (17)
34no2	1987	31 ± 3 (17)	36 ± 3 (18)	37 ± 4 (18)	38 ± 4 (18)	34 ± 3 (17)	38 ± 3 (17)	35 ± 3 (17)
34no2	1988	32 ± 4 (17)	37 ± 3 (17)	41 ± 3 (17)	45 ± 2 (18)	44 ± 4 (18)	44 ± 3 (18)	39 ± 2 (16)
34no2	1989	35 ± 4 (17)	35 ± 3 (17)	35 ± 4 (17)	36 ± 3 (17)	39 ± 5 (17)	38 ± 4 (17)	35 ± 3 (18)
34no2	1990	28 ± 2 (18)	31 ± 3 (17)	30 ± 3 (17)	32 ± 2 (17)	25 ± 2 (17)	26 ± 2 (18)	29 ± 2 (18)
34no2	1991	34 ± 2 (16)	31 ± 3 (16)	37 ± 3 (15)	33 ± 4 (16)	33 ± 2 (17)	37 ± 3 (17)	35 ± 3 (16)
34no2	1992	34 ± 3 (16)	37 ± 3 (18)	33 ± 4 (18)	38 ± 4 (17)	38 ± 2 (17)	34 ± 3 (17)	33 ± 3 (17)
34no2	1993	28 ± 4 (16)	27 ± 3 (17)	32 ± 3 (18)	31 ± 2 (18)	32 ± 4 (18)	29 ± 3 (17)	31 ± 3 (16)
34no2	1994	30 ± 3 (17)	30 ± 2 (17)	37 ± 3 (17)	34 ± 2 (18)	35 ± 2 (18)	41 ± 2 (18)	37 ± 3 (17)
34no2	1995	36 ± 2 (17)	38 ± 3 (17)	35 ± 3 (17)	37 ± 3 (17)	35 ± 3 (18)	37 ± 2 (17)	37 ± 3 (18)
34no2	1996	25 ± 3 (18)	26 ± 3 (18)	27 ± 2 (17)	28 ± 3 (17)	30 ± 3 (17)	27 ± 3 (16)	30 ± 2 (18)
34no2	1997	23 ± 2 (18)	24 ± 2 (18)	30 ± 3 (15)	35 ± 4 (15)	26 ± 3 (17)	25 ± 2 (16)	22 ± 2 (17)
34no2	1998	23 ± 3 (17)	32 ± 3 (18)	29 ± 3 (18)	30 ± 2 (18)	30 ± 2 (17)	31 ± 3 (17)	31 ± 3 (17)
34no2	81-84	41 ± 2 (69)	37 ± 2 (69)	41 ± 2 (70)	43 ± 2 (71)	43 ± 2 (68)	45 ± 2 (70)	45 ± 2 (69)
34no2	84-89	36 ± 2 (87)	37 ± 1 (88)	39 ± 2 (87)	40 ± 2 (87)	40 ± 2 (86)	41 ± 2 (85)	39 ± 2 (86)
34no2	90-94	31 ± 1 (83)	31 ± 1 (85)	34 ± 1 (85)	34 ± 1 (86)	33 ± 1 (87)	33 ± 1 (87)	33 ± 1 (84)
34no2	95-98	27 ± 1 (70)	30 ± 1 (71)	30 ± 1 (67)	32 ± 2 (67)	31 ± 1 (69)	30 ± 1 (66)	30 ± 1 (70)
34no	1981	42 ± 7 (17)	49 ± 10 (18)	54 ± 12 (18)	66 ± 16 (18)	61 ± 15 (17)	68 ± 13 (17)	71 ± 17 (17)
34no	1982	25 ± 6 (17)	44 ± 11 (17)	42 ± 11 (18)	51 ± 12 (18)	75 ± 21 (18)	52 ± 13 (17)	45 ± 10 (17)
34no	1983	37 ± 9 (17)	39 ± 12 (17)	39 ± 10 (17)	53 ± 13 (18)	39 ± 13 (17)	58 ± 13 (18)	60 ± 16 (17)
34no	1984	33 ± 8 (18)	30 ± 6 (17)	57 ± 11 (17)	62 ± 15 (17)	52 ± 9 (17)	51 ± 14 (18)	53 ± 12 (18)
34no	1985	49 ± 11 (18)	48 ± 16 (18)	70 ± 18 (17)	49 ± 12 (17)	69 ± 12 (17)	88 ± 19 (16)	80 ± 15 (18)
34no	1986	44 ± 11 (18)	53 ± 14 (18)	71 ± 19 (18)	52 ± 15 (17)	44 ± 10 (17)	66 ± 11 (17)	58 ± 8 (17)
34no	1987	40 ± 10 (17)	61 ± 10 (18)	49 ± 13 (18)	74 ± 20 (18)	46 ± 10 (17)	42 ± 11 (17)	35 ± 10 (17)
34no	1988	26 ± 6 (17)	41 ± 9 (17)	56 ± 9 (17)	58 ± 11 (18)	73 ± 19 (18)	48 ± 11 (18)	29 ± 6 (16)
34no	1989	30 ± 8 (17)	50 ± 12 (17)	61 ± 17 (17)	55 ± 14 (17)	58 ± 19 (17)	69 ± 20 (17)	36 ± 8 (18)
34no	1990	34 ± 6 (18)	51 ± 11 (17)	76 ± 13 (17)	54 ± 11 (17)	45 ± 10 (17)	37 ± 9 (18)	58 ± 8 (18)
34no	1991	20 ± 6 (16)	27 ± 10 (16)	23 ± 7 (15)	32 ± 11 (16)	21 ± 8 (17)	25 ± 10 (17)	20 ± 8 (16)
34no	1992	31 ± 10 (16)	53 ± 13 (18)	52 ± 13 (18)	67 ± 16 (18)	52 ± 14 (17)	54 ± 11 (17)	44 ± 12 (17)
34no	1993	23 ± 11 (16)	21 ± 9 (17)	46 ± 16 (18)	43 ± 10 (18)	37 ± 12 (18)	23 ± 9 (17)	32 ± 14 (16)
34no	1994	39 ± 14 (17)	39 ± 9 (17)	45 ± 9 (17)	67 ± 14 (18)	67 ± 15 (18)	76 ± 12 (18)	38 ± 9 (17)
34no	1995	54 ± 11 (17)	58 ± 13 (17)	55 ± 16 (17)	45 ± 14 (17)	54 ± 11 (18)	70 ± 11 (17)	57 ± 12 (18)
34no	1996	22 ± 7 (18)	29 ± 7 (18)	39 ± 10 (17)	36 ± 9 (17)	43 ± 10 (17)	34 ± 9 (16)	35 ± 10 (18)
34no	1997	23 ± 6 (18)	44 ± 10 (18)	59 ± 13 (15)	71 ± 12 (15)	45 ± 14 (17)	43 ± 13 (16)	21 ± 7 (17)
34no	1998	13 ± 4 (17)	34 ± 9 (18)	40 ± 9 (18)	39 ± 8 (18)	50 ± 14 (17)	66 ± 15 (17)	42 ± 12 (17)
34no	81-84	34 ± 4 (69)	41 ± 5 (69)	48 ± 6 (70)	58 ± 7 (71)	57 ± 8 (69)	57 ± 6 (70)	57 ± 7 (69)
34no	84-89	38 ± 4 (87)	51 ± 5 (88)	61 ± 7 (87)	58 ± 6 (87)	58 ± 7 (86)	62 ± 7 (85)	48 ± 5 (86)
34no	90-94	30 ± 4 (83)	38 ± 5 (85)	49 ± 6 (85)	53 ± 6 (87)	45 ± 5 (87)	43 ± 5 (87)	39 ± 5 (84)
34no	95-98	28 ± 4 (70)	41 ± 5 (71)	48 ± 6 (67)	47 ± 6 (67)	48 ± 6 (69)	54 ± 6 (66)	39 ± 5 (70)
34no2_nox	1981	0.56 ± 0.05 (16)	0.60 ± 0.06 (18)	0.55 ± 0.06 (18)	0.58 ± 0.06 (18)	0.59 ± 0.06 (17)	0.51 ± 0.05 (17)	0.50 ± 0.05 (17)
34no2_nox	1982	0.69 ± 0.05 (17)	0.66 ± 0.07 (17)	0.67 ± 0.06 (18)	0.60 ± 0.06 (18)	0.60 ± 0.07 (18)	0.63 ± 0.07 (17)	0.62 ± 0.06 (17)
34no2_nox	1983	0.68 ± 0.06 (17)	0.70 ± 0.07 (17)	0.69 ± 0.07 (17)	0.60 ± 0.07 (18)	0.67 ± 0.08 (16)	0.58 ± 0.07 (18)	0.61 ± 0.07 (17)
34no2_nox	1984	0.59 ± 0.05 (18)	0.56 ± 0.05 (17)	0.46 ± 0.06 (16)	0.49 ± 0.05 (17)	0.47 ± 0.05 (17)	0.57 ± 0.06 (18)	0.51 ± 0.05 (18)
34no2_nox	1985	0.57 ± 0.05 (18)	0.61 ± 0.06 (18)	0.52 ± 0.07 (17)	0.58 ± 0.06 (17)	0.48 ± 0.06 (17)	0.43 ± 0.05 (16)	0.44 ± 0.05 (18)
34no2_nox	1986	0.63 ± 0.06 (18)	0.59 ± 0.06 (18)	0.58 ± 0.07 (18)	0.65 ± 0.08 (17)	0.59 ± 0.06 (17)	0.47 ± 0.07 (17)	0.48 ± 0.06 (17)
34no2_nox	1987	0.62 ± 0.08 (17)	0.47 ± 0.06 (18)	0.61 ± 0.07 (18)	0.52 ± 0.07 (18)	0.56 ± 0.07 (17)	0.62 ± 0.07 (17)	0.68 ± 0.08 (17)

**APPENDIX A**  
**Average Day of the Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
34no2_nox	1988	0.64 ± 0.06 (17)	0.56 ± 0.05 (17)	0.49 ± 0.05 (17)	0.53 ± 0.06 (18)	0.51 ± 0.06 (18)	0.58 ± 0.05 (18)	0.65 ± 0.06 (16)
34no2_nox	1989	0.63 ± 0.05 (17)	0.55 ± 0.06 (17)	0.55 ± 0.08 (17)	0.54 ± 0.06 (17)	0.56 ± 0.06 (17)	0.50 ± 0.07 (17)	0.61 ± 0.06 (18)
34no2_nox	1990	0.55 ± 0.06 (18)	0.52 ± 0.07 (17)	0.41 ± 0.07 (17)	0.53 ± 0.07 (17)	0.48 ± 0.06 (17)	0.59 ± 0.07 (18)	0.40 ± 0.05 (18)
34no2_nox	1991	0.73 ± 0.06 (16)	0.75 ± 0.08 (16)	0.74 ± 0.06 (15)	0.73 ± 0.07 (16)	0.77 ± 0.07 (17)	0.78 ± 0.06 (17)	0.78 ± 0.06 (16)
34no2_nox	1992	0.64 ± 0.08 (17)	0.52 ± 0.06 (18)	0.49 ± 0.06 (18)	0.51 ± 0.07 (17)	0.60 ± 0.07 (17)	0.53 ± 0.07 (17)	0.63 ± 0.08 (17)
34no2_nox	1993	0.81 ± 0.07 (16)	0.75 ± 0.07 (17)	0.61 ± 0.07 (18)	0.58 ± 0.07 (18)	0.66 ± 0.07 (18)	0.77 ± 0.07 (17)	0.77 ± 0.08 (16)
34no2_nox	1994	0.64 ± 0.06 (17)	0.56 ± 0.06 (17)	0.54 ± 0.05 (17)	0.49 ± 0.06 (18)	0.49 ± 0.06 (18)	0.43 ± 0.05 (18)	0.61 ± 0.06 (17)
34no2_nox	1995	0.52 ± 0.06 (17)	0.52 ± 0.06 (17)	0.59 ± 0.07 (17)	0.62 ± 0.07 (17)	0.53 ± 0.06 (18)	0.46 ± 0.07 (17)	0.53 ± 0.07 (18)
34no2_nox	1996	0.71 ± 0.06 (18)	0.66 ± 0.07 (18)	0.60 ± 0.07 (17)	0.61 ± 0.07 (17)	0.55 ± 0.06 (17)	0.62 ± 0.08 (16)	0.65 ± 0.07 (18)
34no2_nox	1997	0.65 ± 0.06 (18)	0.52 ± 0.07 (18)	0.49 ± 0.07 (15)	0.43 ± 0.06 (15)	0.57 ± 0.07 (17)	0.61 ± 0.08 (16)	0.69 ± 0.06 (17)
34no2_nox	1998	0.73 ± 0.05 (16)	0.61 ± 0.06 (18)	0.55 ± 0.06 (17)	0.55 ± 0.06 (18)	0.57 ± 0.07 (17)	0.50 ± 0.08 (17)	0.59 ± 0.07 (16)
34no2_nox	81-84	0.63 ± 0.03 (68)	0.63 ± 0.03 (69)	0.60 ± 0.03 (69)	0.57 ± 0.03 (71)	0.58 ± 0.03 (68)	0.57 ± 0.03 (70)	0.56 ± 0.03 (69)
34no2_nox	84-89	0.62 ± 0.03 (87)	0.56 ± 0.03 (88)	0.55 ± 0.03 (87)	0.56 ± 0.03 (87)	0.54 ± 0.03 (86)	0.52 ± 0.03 (85)	0.57 ± 0.03 (86)
34no2_nox	90-94	0.67 ± 0.03 (84)	0.62 ± 0.03 (85)	0.55 ± 0.03 (85)	0.56 ± 0.03 (86)	0.60 ± 0.03 (87)	0.62 ± 0.03 (87)	0.63 ± 0.03 (84)
34no2_nox	95-98	0.65 ± 0.03 (69)	0.58 ± 0.03 (71)	0.56 ± 0.03 (66)	0.56 ± 0.03 (67)	0.56 ± 0.03 (69)	0.54 ± 0.04 (66)	0.61 ± 0.03 (69)
34nmhc	1981	502 ± 55 (16)	423 ± 44 (17)	421 ± 55 (18)	455 ± 63 (18)	441 ± 47 (17)	495 ± 69 (17)	603 ± 86 (17)
34nmhc	1982	405 ± 41 (17)	369 ± 49 (17)	472 ± 41 (18)	421 ± 42 (18)	557 ± 102 (18)	495 ± 52 (17)	441 ± 60 (17)
34nmhc	1983	459 ± 72 (17)	369 ± 55 (17)	351 ± 52 (17)	404 ± 58 (18)	302 ± 54 (18)	438 ± 62 (18)	549 ± 83 (17)
34nmhc	1984	455 ± 80 (18)	333 ± 54 (17)	405 ± 67 (17)	513 ± 105 (17)	423 ± 69 (17)	387 ± 65 (18)	557 ± 79 (18)
34nmhc	1985	404 ± 76 (18)	302 ± 69 (18)	333 ± 88 (17)	279 ± 58 (17)	297 ± 57 (17)	459 ± 81 (17)	557 ± 96 (18)
34nmhc	1986	489 ± 78 (18)	438 ± 66 (18)	489 ± 82 (18)	405 ± 72 (17)	351 ± 36 (17)	423 ± 69 (17)	495 ± 58 (17)
34nmhc	1987	279 ± 45 (17)	285 ± 43 (18)	285 ± 65 (18)	370 ± 109 (18)	190 ± 45 (17)	208 ± 46 (17)	261 ± 53 (17)
34nmhc	1988	351 ± 69 (17)	279 ± 45 (17)	405 ± 55 (17)	405 ± 61 (17)	513 ± 114 (17)	387 ± 49 (18)	330 ± 31 (16)
34nmhc	1989	351 ± 69 (17)	333 ± 70 (17)	387 ± 87 (17)	369 ± 72 (17)	404 ± 91 (18)	404 ± 91 (18)	336 ± 57 (18)
34nmhc	1990	387 ± 49 (18)	333 ± 60 (17)	405 ± 55 (17)	315 ± 49 (17)	279 ± 45 (17)	218 ± 37 (18)	438 ± 57 (18)
34nmhc	1991	423 ± 36 (17)	387 ± 45 (17)	387 ± 37 (17)	369 ± 41 (17)	387 ± 52 (15)	406 ± 52 (16)	351 ± 44 (17)
34nmhc	1992	441 ± 60 (17)	455 ± 58 (18)	404 ± 52 (18)	489 ± 74 (18)	495 ± 52 (17)	369 ± 49 (17)	441 ± 84 (17)
34nmhc	1993	330 ± 80 (16)	297 ± 57 (17)	370 ± 76 (18)	353 ± 49 (18)	353 ± 60 (18)	273 ± 55 (16)	406 ± 81 (16)
34nmhc	1994	509 ± 80 (17)	380 ± 38 (17)	436 ± 59 (17)	463 ± 52 (18)	511 ± 61 (18)	558 ± 50 (18)	475 ± 46 (17)
34nmhc	1995	574 ± 41 (17)	488 ± 39 (17)	427 ± 51 (17)	432 ± 51 (17)	455 ± 47 (18)	492 ± 39 (18)	557 ± 59 (18)
34nmhc	1996	423 ± 44 (18)	372 ± 32 (18)	384 ± 29 (17)	376 ± 32 (17)	401 ± 44 (17)	364 ± 38 (16)	438 ± 39 (18)
34nmhc	1997	409 ± 43 (17)	369 ± 39 (17)	409 ± 47 (17)	485 ± 54 (15)	376 ± 54 (17)	366 ± 40 (17)	348 ± 36 (17)
34nmhc	1998	335 ± 30 (17)	341 ± 26 (18)	324 ± 27 (18)	324 ± 23 (18)	355 ± 31 (17)	391 ± 34 (17)	434 ± 42 (17)
34nmhc	81-84	454 ± 32 (68)	374 ± 25 (68)	413 ± 27 (70)	447 ± 34 (71)	431 ± 37 (70)	453 ± 31 (70)	538 ± 39 (69)
34nmhc	84-89	377 ± 31 (87)	328 ± 27 (88)	380 ± 34 (87)	366 ± 34 (86)	352 ± 35 (86)	377 ± 32 (87)	398 ± 30 (86)
34nmhc	90-94	419 ± 28 (85)	372 ± 24 (86)	400 ± 25 (87)	399 ± 25 (88)	406 ± 26 (85)	366 ± 25 (85)	423 ± 28 (85)
34nmhc	95-98	435 ± 22 (69)	391 ± 18 (70)	385 ± 20 (69)	401 ± 21 (67)	398 ± 22 (69)	405 ± 20 (68)	446 ± 24 (70)
67no	1981	49 ± 11 (17)	117 ± 30 (16)	116 ± 26 (16)	96 ± 24 (18)	104 ± 26 (17)	99 ± 30 (15)	76 ± 18 (17)
67no	1982	31 ± 10 (17)	63 ± 21 (12)	139 ± 38 (14)	123 ± 34 (17)	170 ± 43 (17)	132 ± 30 (16)	69 ± 16 (17)
67no	1983	52 ± 17 (17)	116 ± 26 (17)	134 ± 31 (17)	114 ± 23 (18)	105 ± 31 (17)	149 ± 30 (17)	79 ± 19 (17)
67no	1984	35 ± 12 (18)	61 ± 11 (17)	111 ± 23 (17)	131 ± 35 (17)	108 ± 22 (17)	93 ± 23 (17)	80 ± 20 (18)
67no	1985	64 ± 19 (18)	91 ± 23 (18)	99 ± 29 (17)	112 ± 23 (17)	108 ± 21 (17)	164 ± 37 (16)	112 ± 26 (18)
67no	1986	46 ± 13 (18)	89 ± 24 (18)	131 ± 33 (18)	89 ± 23 (17)	71 ± 16 (17)	102 ± 23 (17)	79 ± 19 (17)
67no	1987	50 ± 16 (17)	122 ± 21 (18)	99 ± 25 (18)	107 ± 25 (17)	88 ± 22 (17)	92 ± 22 (16)	55 ± 17 (17)
67no	1988	43 ± 12 (17)	81 ± 20 (16)	84 ± 15 (16)	97 ± 20 (18)	101 ± 22 (18)	73 ± 17 (18)	38 ± 15 (16)
67no	1989	32 ± 11 (17)	82 ± 22 (17)	99 ± 21 (17)	105 ± 24 (17)	88 ± 26 (17)	110 ± 35 (16)	54 ± 15 (18)
67no	1990	49 ± 11 (18)	79 ± 23 (17)	120 ± 24 (16)	119 ± 31 (17)	91 ± 18 (17)	77 ± 20 (18)	82 ± 16 (18)
67no	1991	24 ± 7 (16)	50 ± 16 (16)	65 ± 17 (15)	73 ± 26 (16)	45 ± 12 (17)	41 ± 9 (16)	25 ± 12 (16)
67no	1992	44 ± 13 (17)	84 ± 19 (18)	75 ± 15 (18)	103 ± 23 (18)	118 ± 32 (17)	85 ± 18 (17)	75 ± 22 (17)
67no	1993	32 ± 14 (16)	40 ± 15 (17)	89 ± 27 (18)	71 ± 18 (18)	74 ± 22 (18)	64 ± 16 (17)	56 ± 19 (16)
67no	1994	39 ± 10 (17)	75 ± 20 (17)	87 ± 19 (17)	118 ± 24 (18)	104 ± 23 (18)	112 ± 24 (18)	72 ± 16 (17)
67no	1995	49 ± 11 (17)	85 ± 26 (17)	104 ± 28 (17)	83 ± 25 (17)	88 ± 18 (18)	117 ± 22 (17)	90 ± 25 (18)
67no	1996	29 ± 9 (18)	51 ± 15 (18)	66 ± 18 (17)	64 ± 17 (17)	82 ± 18 (17)	74 ± 17 (16)	50 ± 13 (18)
67no	1997	37 ± 10 (18)	76 ± 17 (18)	94 ± 18 (16)	105 ± 17 (15)	65 ± 20 (16)	55 ± 17 (16)	43 ± 15 (17)
67no	1998	20 ± 6 (17)	57 ± 14 (18)	67 ± 16 (18)	57 ± 12 (18)	64 ± 15 (17)	96 ± 24 (17)	60 ± 17 (17)
67no	81-84	42 ± 6 (69)	91 ± 12 (62)	124 ± 14 (64)	116 ± 14 (70)	122 ± 16 (68)	119 ± 14 (65)	76 ± 9 (69)
67no	84-89	47 ± 6 (87)	94 ± 10 (87)	103 ± 11 (86)	102 ± 10 (86)	91 ± 9 (86)	107 ± 12 (83)	68 ± 9 (86)
67no	90-94	38 ± 5 (84)	66 ± 8 (85)	87 ± 9 (84)	97 ± 11 (87)	86 ± 10 (87)	77 ± 9 (86)	63 ± 8 (84)
67no	95-98	34 ± 5 (70)	67 ± 9 (71)	82 ± 10 (68)	76 ± 9 (67)	75 ± 9 (68)	86 ± 10 (66)	61 ± 9 (70)
67no2	1981	48 ± 5 (17)	53 ± 5 (16)	59 ± 5 (16)	56 ± 5 (18)	63 ± 6 (17)	61 ± 7 (15)	56 ± 5 (17)
67no2	1982	44 ± 6 (17)	40 ± 4 (12)	57 ± 5 (14)	58 ± 5 (17)	69 ± 6 (17)	59 ± 6 (16)	46 ± 4 (17)
67no2	1983	44 ± 7 (17)	56 ± 6 (17)	54 ± 4 (17)	51 ± 4 (18)	46 ± 4 (16)	54 ± 5 (17)	51 ± 5 (17)
67no2	1984	32 ± 4 (18)	39 ± 3 (17)	45 ± 4 (17)	44 ± 5 (17)	44 ± 3 (17)	43 ± 4 (17)	43 ± 4 (18)
67no2	1985	46 ± 6 (18)	47 ± 4 (18)	48 ± 5 (17)	52 ± 4 (17)	49 ± 5 (17)	59 ± 7 (16)	52 ± 6 (18)
67no2	1986	41 ± 5 (18)	48 ± 5 (18)	54 ± 5 (18)	50 ± 4 (17)	46 ± 4 (17)	48 ± 4 (17)	44 ± 4 (17)
67no2	1987	35 ± 3 (17)	42 ± 3 (18)	42 ± 4 (18)	48 ± 4 (17)	41 ± 3 (17)	41 ± 3 (16)	35 ± 4 (17)
67no2	1988	34 ± 4 (17)	46 ± 3 (16)	45 ± 3 (16)	52 ± 4 (18)	53 ± 4 (18)	47 ± 3 (18)	39 ± 4 (16)
67no2	1989	31 ± 4 (17)	42 ± 4 (17)	46 ± 5 (17)	45 ± 5 (17)	50 ± 5 (17)	45 ± 4 (16)	41 ± 3 (18)
67no2	1990	33 ± 3 (18)	35 ± 3 (17)	42 ± 5 (16)	39 ± 3 (17)	36 ± 3 (17)	32 ± 3 (18)	36 ± 3 (18)
67no2	1991	32 ± 1 (16)	43 ± 3 (16)	41 ± 2 (15)	42 ± 4 (16)	39 ± 3 (17)	46 ± 4 (16)	34 ± 3 (16)
67no2	1992	34 ± 3 (17)	39 ± 3 (18)	37 ± 4 (18)	45 ± 4 (18)	46 ± 3 (17)	41 ± 3 (17)	38 ± 4 (17)
67no2	1993	29 ± 4 (16)	35 ± 4 (17)	39 ± 3 (18)	37 ± 3 (18)	39 ± 4 (18)	36 ± 3 (17)	36 ± 4 (16)
67no2	1994	34 ± 4 (17)	38 ± 2 (17)	39 ± 3 (17)	42 ± 3 (18)	41 ± 2 (18)	43 ± 3 (18)	41 ± 3 (17)

**APPENDIX A**  
**Average Day of the Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
67no2	1995	35 ± 2 (17)	41 ± 3 (17)	41 ± 4 (17)	43 ± 3 (17)	43 ± 3 (18)	46 ± 3 (17)	40 ± 3 (18)
67no2	1996	26 ± 3 (18)	34 ± 4 (18)	31 ± 2 (17)	33 ± 3 (17)	37 ± 2 (17)	32 ± 2 (16)	34 ± 3 (18)
67no2	1997	22 ± 2 (18)	30 ± 2 (18)	35 ± 3 (16)	37 ± 3 (15)	31 ± 3 (16)	31 ± 3 (16)	23 ± 2 (17)
67no2	1998	25 ± 3 (17)	33 ± 3 (18)	33 ± 3 (18)	32 ± 2 (18)	35 ± 2 (17)	33 ± 2 (17)	32 ± 3 (17)
67no2	81-84	42 ± 3 (69)	47 ± 2 (62)	54 ± 2 (64)	52 ± 2 (70)	56 ± 3 (67)	54 ± 3 (65)	49 ± 2 (69)
67no2	84-89	37 ± 2 (87)	45 ± 2 (87)	47 ± 2 (86)	49 ± 2 (86)	48 ± 2 (86)	48 ± 2 (83)	42 ± 2 (86)
67no2	90-94	32 ± 1 (84)	38 ± 1 (85)	40 ± 1 (84)	41 ± 1 (87)	40 ± 1 (87)	39 ± 1 (86)	37 ± 2 (84)
67no2	95-98	27 ± 1 (70)	34 ± 2 (71)	35 ± 1 (68)	36 ± 1 (67)	36 ± 1 (68)	36 ± 1 (66)	32 ± 2 (70)
67co	1981	1.2 ± 0.2 (17)	1.8 ± 0.3 (16)	2.1 ± 0.4 (17)	1.9 ± 0.4 (18)	2.1 ± 0.3 (17)	1.9 ± 0.5 (14)	1.7 ± 0.3 (17)
67co	1982	1.0 ± 0.2 (17)	1.9 ± 0.4 (15)	2.3 ± 0.4 (16)	2.2 ± 0.4 (17)	3.1 ± 0.7 (16)	2.3 ± 0.4 (17)	1.6 ± 0.2 (17)
67co	1983	1.5 ± 0.4 (17)	2.2 ± 0.4 (17)	2.3 ± 0.4 (17)	2.2 ± 0.3 (18)	1.8 ± 0.3 (18)	2.1 ± 0.3 (16)	1.8 ± 0.3 (17)
67co	1984	1.3 ± 0.3 (18)	1.7 ± 0.2 (16)	2.3 ± 0.4 (17)	2.8 ± 0.6 (17)	2.1 ± 0.3 (17)	2.2 ± 0.4 (18)	2.1 ± 0.3 (18)
67co	1985	1.3 ± 0.3 (18)	1.6 ± 0.3 (18)	1.6 ± 0.4 (17)	1.8 ± 0.4 (17)	1.6 ± 0.3 (17)	2.7 ± 0.6 (17)	2.1 ± 0.5 (18)
67co	1986	1.3 ± 0.3 (18)	2.3 ± 0.4 (18)	2.8 ± 0.5 (18)	2.1 ± 0.3 (17)	1.7 ± 0.2 (17)	2.0 ± 0.3 (17)	1.8 ± 0.3 (17)
67co	1987	0.8 ± 0.2 (17)	2.1 ± 0.4 (18)	1.9 ± 0.5 (18)	2.2 ± 0.4 (18)	1.5 ± 0.2 (17)	1.4 ± 0.3 (17)	0.9 ± 0.3 (17)
67co	1988	1.1 ± 0.3 (17)	1.7 ± 0.3 (17)	1.9 ± 0.3 (16)	2.1 ± 0.4 (17)	2.4 ± 0.5 (17)	1.8 ± 0.3 (18)	1.1 ± 0.2 (16)
67co	1989	0.8 ± 0.2 (17)	1.6 ± 0.3 (17)	2.1 ± 0.4 (17)	2.1 ± 0.4 (17)	2.0 ± 0.5 (18)	2.2 ± 0.5 (17)	1.2 ± 0.3 (18)
67co	1990	1.1 ± 0.2 (18)	1.5 ± 0.3 (17)	2.3 ± 0.5 (16)	2.1 ± 0.5 (17)	1.9 ± 0.3 (17)	1.4 ± 0.3 (18)	1.6 ± 0.3 (18)
67co	1991	1.2 ± 0.1 (17)	1.7 ± 0.2 (17)	1.6 ± 0.2 (17)	1.7 ± 0.3 (16)	1.5 ± 0.2 (15)	1.5 ± 0.2 (16)	1.1 ± 0.2 (17)
67co	1992	1.4 ± 0.2 (17)	2.2 ± 0.3 (18)	2.1 ± 0.3 (18)	2.2 ± 0.4 (18)	2.4 ± 0.4 (17)	2.0 ± 0.2 (17)	1.9 ± 0.3 (17)
67co	1993	1.1 ± 0.3 (16)	1.2 ± 0.3 (17)	2.0 ± 0.4 (18)	1.6 ± 0.3 (18)	1.8 ± 0.4 (18)	1.5 ± 0.3 (17)	1.4 ± 0.3 (16)
67co	1994	1.5 ± 0.2 (17)	1.8 ± 0.2 (17)	2.1 ± 0.3 (17)	2.5 ± 0.4 (18)	2.2 ± 0.3 (18)	2.4 ± 0.3 (18)	1.9 ± 0.3 (17)
67co	1995	1.6 ± 0.2 (17)	2.0 ± 0.3 (17)	2.2 ± 0.4 (17)	2.0 ± 0.3 (17)	2.1 ± 0.3 (18)	2.5 ± 0.3 (18)	2.0 ± 0.3 (18)
67co	1996	1.3 ± 0.2 (18)	1.5 ± 0.3 (18)	1.7 ± 0.2 (17)	1.7 ± 0.3 (17)	1.9 ± 0.2 (17)	1.7 ± 0.2 (16)	1.7 ± 0.2 (18)
67co	1997	1.2 ± 0.2 (17)	1.8 ± 0.3 (17)	1.8 ± 0.3 (17)	2.1 ± 0.3 (15)	1.3 ± 0.2 (17)	1.4 ± 0.2 (17)	1.2 ± 0.2 (17)
67co	1998	1.0 ± 0.1 (17)	1.4 ± 0.2 (18)	1.5 ± 0.2 (18)	1.3 ± 0.1 (18)	1.4 ± 0.1 (17)	1.7 ± 0.2 (17)	1.4 ± 0.2 (17)
67co	81-84	1.3 ± 0.1 (69)	1.9 ± 0.2 (64)	2.2 ± 0.2 (67)	2.3 ± 0.2 (70)	2.3 ± 0.2 (68)	2.1 ± 0.2 (65)	1.8 ± 0.1 (69)
67co	84-89	1.1 ± 0.1 (87)	1.9 ± 0.2 (88)	2.1 ± 0.2 (86)	2.1 ± 0.2 (86)	1.8 ± 0.2 (86)	2.0 ± 0.2 (86)	1.4 ± 0.2 (86)
67co	90-94	1.3 ± 0.1 (85)	1.7 ± 0.1 (86)	2.0 ± 0.2 (86)	2.0 ± 0.2 (87)	2.0 ± 0.1 (85)	1.8 ± 0.1 (86)	1.6 ± 0.1 (85)
67co	95-98	1.3 ± 0.1 (69)	1.7 ± 0.1 (70)	1.8 ± 0.1 (69)	1.8 ± 0.1 (67)	1.7 ± 0.1 (69)	1.8 ± 0.1 (68)	1.6 ± 0.1 (70)
67nmhc	1981	459 ± 49 (17)	635 ± 93 (16)	710 ± 113 (17)	675 ± 117 (18)	728 ± 104 (17)	671 ± 148 (14)	603 ± 97 (17)
67nmhc	1982	387 ± 52 (17)	672 ± 113 (15)	788 ± 136 (16)	764 ± 124 (17)	1036 ± 205 (16)	782 ± 119 (17)	567 ± 74 (17)
67nmhc	1983	549 ± 111 (17)	764 ± 127 (17)	782 ± 107 (17)	743 ± 99 (18)	642 ± 105 (18)	731 ± 100 (16)	621 ± 81 (17)
67nmhc	1984	489 ± 85 (18)	597 ± 61 (16)	782 ± 125 (17)	944 ± 180 (17)	728 ± 94 (17)	743 ± 108 (18)	709 ± 103 (18)
67nmhc	1985	472 ± 104 (18)	574 ± 105 (18)	585 ± 128 (17)	639 ± 112 (17)	585 ± 78 (17)	908 ± 169 (17)	709 ± 141 (18)
67nmhc	1986	472 ± 81 (18)	777 ± 137 (18)	930 ± 161 (18)	710 ± 96 (17)	603 ± 73 (17)	692 ± 105 (17)	621 ± 103 (17)
67nmhc	1987	333 ± 75 (17)	709 ± 109 (18)	658 ± 148 (18)	760 ± 130 (18)	531 ± 75 (17)	495 ± 94 (17)	369 ± 103 (17)
67nmhc	1988	423 ± 78 (17)	603 ± 86 (17)	673 ± 106 (16)	728 ± 128 (17)	818 ± 157 (17)	642 ± 79 (18)	425 ± 73 (16)
67nmhc	1989	333 ± 70 (17)	585 ± 90 (17)	710 ± 137 (17)	728 ± 131 (17)	692 ± 142 (18)	746 ± 164 (17)	455 ± 84 (18)
67nmhc	1990	421 ± 74 (18)	531 ± 102 (17)	788 ± 149 (16)	710 ± 160 (17)	656 ± 94 (17)	506 ± 89 (18)	557 ± 83 (18)
67nmhc	1991	459 ± 42 (17)	603 ± 63 (17)	585 ± 69 (17)	597 ± 77 (16)	530 ± 72 (15)	540 ± 68 (16)	423 ± 69 (17)
67nmhc	1992	513 ± 74 (17)	743 ± 99 (18)	726 ± 89 (18)	743 ± 114 (18)	800 ± 114 (17)	692 ± 74 (17)	656 ± 98 (17)
67nmhc	1993	425 ± 100 (16)	459 ± 89 (17)	692 ± 113 (18)	557 ± 90 (18)	625 ± 112 (18)	531 ± 98 (17)	521 ± 104 (16)
67nmhc	1994	527 ± 73 (17)	626 ± 74 (17)	719 ± 101 (17)	831 ± 108 (18)	759 ± 96 (18)	820 ± 104 (18)	665 ± 82 (17)
67nmhc	1995	568 ± 56 (17)	691 ± 93 (17)	757 ± 119 (17)	691 ± 94 (17)	716 ± 85 (18)	831 ± 86 (18)	706 ± 95 (18)
67nmhc	1996	467 ± 62 (18)	548 ± 77 (18)	606 ± 75 (17)	604 ± 86 (17)	669 ± 74 (17)	603 ± 72 (16)	587 ± 74 (18)
67nmhc	1997	448 ± 64 (17)	617 ± 81 (17)	637 ± 81 (17)	729 ± 82 (15)	491 ± 74 (17)	509 ± 70 (17)	446 ± 63 (17)
67nmhc	1998	391 ± 38 (17)	518 ± 55 (18)	538 ± 48 (18)	477 ± 36 (18)	500 ± 44 (17)	601 ± 67 (17)	524 ± 65 (17)
67nmhc	81-84	471 ± 39 (69)	669 ± 51 (64)	765 ± 59 (67)	780 ± 66 (70)	778 ± 67 (68)	735 ± 58 (65)	626 ± 45 (69)
67nmhc	84-89	408 ± 37 (87)	651 ± 48 (88)	714 ± 62 (86)	714 ± 53 (86)	646 ± 50 (86)	696 ± 57 (86)	518 ± 48 (86)
67nmhc	90-94	469 ± 33 (85)	594 ± 39 (86)	701 ± 47 (86)	690 ± 51 (87)	678 ± 45 (85)	620 ± 41 (86)	565 ± 39 (85)
67nmhc	95-98	469 ± 29 (69)	592 ± 38 (70)	633 ± 42 (69)	620 ± 39 (67)	596 ± 37 (69)	639 ± 39 (68)	568 ± 39 (70)
58hc_nox	1981	6.1 ± 0.5 (17)	4.7 ± 0.2 (15)	4.4 ± 0.3 (17)	5.0 ± 0.4 (17)	5.1 ± 0.4 (16)	4.5 ± 0.4 (16)	5.4 ± 0.4 (17)
58hc_nox	1982	6.3 ± 0.6 (17)	5.5 ± 0.4 (16)	5.0 ± 0.4 (16)	5.0 ± 0.4 (18)	5.2 ± 0.4 (15)	5.0 ± 0.5 (17)	5.7 ± 0.5 (17)
58hc_nox	1983	7.0 ± 1.0 (17)	5.5 ± 0.7 (17)	5.5 ± 0.5 (17)	5.5 ± 0.4 (18)	5.6 ± 0.4 (16)	5.0 ± 0.4 (17)	6.7 ± 0.9 (17)
58hc_nox	1984	9.1 ± 1.2 (18)	7.1 ± 0.4 (16)	6.0 ± 0.3 (17)	6.7 ± 0.4 (17)	5.9 ± 0.4 (17)	6.1 ± 0.2 (17)	6.6 ± 0.4 (18)
58hc_nox	1985	4.4 ± 0.3 (18)	4.8 ± 0.5 (17)	4.2 ± 0.4 (17)	4.1 ± 0.3 (17)	3.9 ± 0.3 (17)	4.2 ± 0.4 (16)	4.1 ± 0.2 (18)
58hc_nox	1986	6.7 ± 0.5 (18)	5.9 ± 0.5 (17)	5.5 ± 0.4 (18)	6.1 ± 0.6 (17)	6.4 ± 0.8 (17)	5.0 ± 0.3 (17)	5.2 ± 0.3 (17)
58hc_nox	1987	4.2 ± 0.5 (17)	4.7 ± 0.3 (18)	4.4 ± 0.4 (18)	5.2 ± 0.3 (17)	4.4 ± 0.4 (17)	4.2 ± 0.4 (16)	4.0 ± 0.5 (17)
58hc_nox	1988	5.6 ± 0.6 (17)	5.6 ± 0.3 (16)	5.4 ± 0.3 (16)	5.5 ± 0.4 (17)	5.5 ± 0.3 (17)	5.7 ± 0.4 (18)	6.1 ± 0.6 (16)
58hc_nox	1989	6.1 ± 0.7 (17)	5.6 ± 0.3 (17)	5.4 ± 0.2 (17)	5.4 ± 0.3 (17)	5.8 ± 0.5 (17)	5.0 ± 0.4 (17)	5.3 ± 0.5 (18)
58hc_nox	1990	5.7 ± 0.4 (18)	5.0 ± 0.6 (17)	5.0 ± 0.3 (17)	4.6 ± 0.3 (17)	5.5 ± 0.3 (17)	5.5 ± 0.5 (18)	5.0 ± 0.3 (18)
58hc_nox	1991	9.7 ± 0.9 (15)	7.9 ± 0.7 (15)	6.8 ± 0.4 (15)	7.4 ± 0.7 (15)	7.0 ± 0.3 (15)	6.9 ± 0.3 (15)	8.6 ± 0.7 (15)
58hc_nox	1992	9.0 ± 1.5 (17)	7.4 ± 0.7 (18)	8.1 ± 1.4 (18)	5.9 ± 0.4 (18)	6.4 ± 0.5 (17)	6.4 ± 0.5 (17)	8.2 ± 1.1 (17)
58hc_nox	1993	8.6 ± 1.2 (16)	6.9 ± 0.5 (17)	6.9 ± 0.5 (18)	5.9 ± 0.5 (18)	7.0 ± 0.7 (18)	5.7 ± 0.7 (17)	6.8 ± 0.9 (16)
58hc_nox	1994	9.4 ± 0.7 (17)	6.8 ± 0.4 (17)	6.5 ± 0.3 (17)	6.2 ± 0.4 (18)	6.3 ± 0.4 (18)	6.5 ± 0.5 (18)	7.4 ± 0.5 (17)
58hc_nox	1995	8.2 ± 0.7 (17)	6.9 ± 0.5 (17)	6.8 ± 0.5 (17)	6.7 ± 0.4 (17)	6.4 ± 0.4 (18)	5.9 ± 0.3 (17)	7.2 ± 0.5 (18)
58hc_nox	1996	14.0 ± 1.9 (18)	9.0 ± 0.9 (18)	8.4 ± 0.9 (17)	7.9 ± 0.8 (17)	7.0 ± 0.5 (17)	7.1 ± 0.7 (16)	9.0 ± 0.8 (18)
58hc_nox	1997	11.9 ± 1.3 (17)	7.4 ± 0.5 (17)	6.5 ± 0.5 (15)	6.1 ± 0.6 (15)	7.7 ± 0.9 (17)	7.7 ± 0.6 (17)	9.8 ± 0.8 (17)
58hc_nox	1998	13.4 ± 4.0 (17)	7.7 ± 1.4 (18)	13.0 ± 7.2 (17)	6.2 ± 0.4 (18)	6.1 ± 0.4 (17)	6.3 ± 0.6 (17)	7.4 ± 0.9 (16)
58hc_nox	81-84	7.2 ± 0.5 (69)	5.7 ± 0.3 (64)	5.2 ± 0.2 (67)	5.5 ± 0.2 (70)	5.5 ± 0.2 (64)	5.2 ± 0.2 (67)	6.1 ± 0.3 (69)
58hc_nox	84-89	5.4 ± 0.2 (87)	5.3 ± 0.2 (85)	5.0 ± 0.2 (86)	5.2 ± 0.2 (85)	5.2 ± 0.2 (85)	4.8 ± 0.2 (84)	4.9 ± 0.2 (86)
58hc_nox	90-94	8.4 ± 0.5 (83)	6.8 ± 0.3 (84)	6.7 ± 0.3 (85)	6.0 ± 0.2 (86)	6.5 ± 0.2 (85)	6.2 ± 0.2 (85)	7.2 ± 0.3 (83)

**APPENDIX A**  
**Average Day of the Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
58hc_nox	95-98	11.9 ± 1.2 (69)	7.7 ± 0.5 (70)	8.8 ± 1.9 (66)	6.7 ± 0.3 (67)	6.8 ± 0.3 (69)	6.8 ± 0.3 (67)	8.4 ± 0.4 (69)
maxo3hc_nox	1981	9.3 ± 0.5 (17)	6.7 ± 0.5 (17)	7.5 ± 0.5 (18)	7.2 ± 0.6 (16)	8.4 ± 0.6 (16)	7.1 ± 0.6 (17)	9.3 ± 0.7 (17)
maxo3hc_nox	1982	10.2 ± 0.9 (17)	8.3 ± 0.5 (17)	7.9 ± 0.6 (18)	7.2 ± 0.7 (17)	6.8 ± 0.7 (17)	8.0 ± 0.6 (17)	8.9 ± 0.8 (17)
maxo3hc_nox	1983	12.3 ± 1.5 (17)	9.9 ± 0.8 (17)	9.8 ± 0.9 (15)	8.7 ± 0.7 (17)	8.9 ± 0.8 (18)	9.3 ± 0.7 (17)	12.0 ± 1.3 (17)
maxo3hc_nox	1984	12.9 ± 1.1 (18)	11.8 ± 1.1 (16)	12.4 ± 1.8 (15)	9.9 ± 1.0 (17)	10.3 ± 0.6 (16)	10.4 ± 0.7 (18)	11.0 ± 1.0 (18)
maxo3hc_nox	1985	7.0 ± 1.0 (18)	6.5 ± 1.1 (17)	6.9 ± 0.6 (17)	5.7 ± 0.8 (17)	6.2 ± 0.7 (15)	7.1 ± 0.5 (15)	7.7 ± 1.1 (18)
maxo3hc_nox	1986	12.2 ± 1.8 (18)	9.9 ± 1.1 (18)	9.6 ± 0.4 (18)	8.7 ± 0.9 (17)	9.3 ± 0.8 (17)	8.8 ± 0.7 (16)	11.3 ± 1.9 (17)
maxo3hc_nox	1987	8.4 ± 1.3 (17)	6.1 ± 0.7 (18)	6.7 ± 0.7 (18)	5.8 ± 0.6 (18)	5.7 ± 0.6 (17)	5.4 ± 0.5 (17)	5.5 ± 0.7 (17)
maxo3hc_nox	1988	8.1 ± 1.0 (17)	6.8 ± 0.5 (16)	8.0 ± 1.0 (15)	6.7 ± 0.7 (16)	7.2 ± 0.3 (18)	7.6 ± 0.7 (18)	7.8 ± 0.8 (17)
maxo3hc_nox	1989	9.4 ± 1.3 (17)	8.3 ± 0.6 (17)	8.9 ± 0.7 (17)	8.4 ± 0.7 (16)	7.6 ± 0.5 (16)	7.8 ± 0.8 (16)	10.2 ± 1.0 (18)
maxo3hc_nox	1990	7.5 ± 0.9 (18)	7.0 ± 0.9 (17)	7.5 ± 0.8 (17)	8.8 ± 0.8 (17)	6.9 ± 0.7 (17)	7.8 ± 0.7 (18)	7.8 ± 0.8 (18)
maxo3hc_nox	1991	13.2 ± 1.1 (15)	10.4 ± 1.1 (15)	11.2 ± 0.9 (16)	10.2 ± 1.0 (14)	10.4 ± 0.9 (16)	10.3 ± 0.5 (14)	12.0 ± 0.9 (15)
maxo3hc_nox	1992	13.3 ± 1.2 (17)	11.4 ± 1.9 (17)	11.1 ± 1.0 (17)	10.1 ± 0.9 (18)	10.2 ± 1.1 (17)	10.3 ± 0.6 (17)	13.6 ± 1.0 (17)
maxo3hc_nox	1993	10.9 ± 2.2 (16)	11.9 ± 1.1 (17)	9.6 ± 0.6 (18)	9.5 ± 0.6 (16)	8.0 ± 1.1 (18)	8.7 ± 1.2 (17)	10.9 ± 1.3 (16)
maxo3hc_nox	1994	14.0 ± 0.6 (17)	10.0 ± 0.5 (17)	10.1 ± 0.8 (17)	9.6 ± 0.4 (18)	10.0 ± 0.3 (18)	10.8 ± 0.3 (18)	13.5 ± 0.6 (17)
maxo3hc_nox	1995	14.1 ± 0.8 (17)	10.8 ± 0.5 (17)	10.6 ± 0.6 (16)	10.8 ± 0.5 (17)	10.4 ± 0.9 (18)	10.0 ± 0.4 (18)	13.0 ± 0.5 (18)
maxo3hc_nox	1996	20.0 ± 1.4 (18)	13.9 ± 1.0 (18)	11.4 ± 0.5 (17)	12.5 ± 0.7 (16)	11.6 ± 1.1 (15)	12.5 ± 0.5 (17)	16.7 ± 0.9 (18)
maxo3hc_nox	1997	18.5 ± 1.5 (17)	12.6 ± 0.7 (16)	11.4 ± 1.0 (15)	11.6 ± 1.3 (15)	11.2 ± 0.7 (17)	12.8 ± 1.0 (17)	16.1 ± 1.0 (17)
maxo3hc_nox	1998	16.4 ± 1.7 (17)	10.0 ± 0.7 (17)	12.2 ± 1.6 (17)	10.4 ± 0.6 (18)	10.0 ± 0.7 (16)	10.6 ± 0.8 (15)	12.3 ± 0.8 (16)
maxo3hc_nox	81-84	11.2 ± 0.6 (69)	9.1 ± 0.4 (67)	9.2 ± 0.5 (66)	8.2 ± 0.4 (67)	8.6 ± 0.4 (67)	8.7 ± 0.4 (69)	10.3 ± 0.5 (69)
maxo3hc_nox	84-89	9.0 ± 0.6 (87)	7.6 ± 0.4 (86)	8.0 ± 0.3 (85)	7.0 ± 0.4 (84)	7.2 ± 0.3 (83)	7.3 ± 0.3 (82)	8.5 ± 0.6 (87)
maxo3hc_nox	90-94	11.7 ± 0.6 (83)	10.1 ± 0.6 (83)	9.9 ± 0.4 (85)	9.6 ± 0.3 (83)	9.1 ± 0.4 (86)	9.6 ± 0.4 (84)	11.5 ± 0.5 (83)
maxo3hc_nox	95-98	17.3 ± 0.7 (69)	11.8 ± 0.4 (68)	11.4 ± 0.5 (65)	11.3 ± 0.4 (66)	10.8 ± 0.4 (66)	11.5 ± 0.4 (67)	14.6 ± 0.5 (69)
tno=03	1981	6.9 ± 0.3 (15)	8.1 ± 0.3 (12)	8.0 ± 0.3 (13)	8.0 ± 0.3 (15)	7.5 ± 0.3 (13)	7.6 ± 0.4 (10)	7.4 ± 0.2 (16)
tno=03	1982	7.2 ± 0.3 (14)	8.0 ± 0.3 (11)	8.3 ± 0.3 (9)	8.4 ± 0.4 (11)	7.7 ± 0.4 (11)	7.7 ± 0.4 (13)	8.4 ± 0.4 (14)
tno=03	1983	7.1 ± 0.3 (12)	8.2 ± 0.3 (11)	7.3 ± 0.4 (9)	7.9 ± 0.2 (12)	8.1 ± 0.3 (13)	8.4 ± 0.3 (12)	7.8 ± 0.3 (13)
tno=03	1984	7.0 ± 0.2 (12)	7.8 ± 0.3 (11)	8.7 ± 0.6 (8)	8.2 ± 0.3 (14)	7.8 ± 0.3 (14)	8.2 ± 0.2 (15)	7.7 ± 0.2 (17)
tno=03	1985	7.3 ± 0.2 (17)	8.0 ± 0.3 (16)	7.8 ± 0.3 (8)	8.6 ± 0.2 (16)	8.6 ± 0.4 (15)	8.6 ± 0.3 (16)	8.2 ± 0.2 (18)
tno=03	1986	7.1 ± 0.2 (14)	8.2 ± 0.4 (13)	9.1 ± 0.4 (9)	8.4 ± 0.2 (15)	8.2 ± 0.2 (17)	8.2 ± 0.3 (15)	7.6 ± 0.2 (16)
tno=03	1987	7.3 ± 0.3 (12)	8.4 ± 0.4 (16)	8.6 ± 0.1 (10)	8.4 ± 0.3 (15)	8.9 ± 0.3 (15)	8.7 ± 0.3 (16)	7.4 ± 0.2 (16)
tno=03	1988	7.4 ± 0.2 (10)	8.2 ± 0.3 (12)	8.1 ± 0.3 (12)	8.7 ± 0.2 (14)	8.6 ± 0.2 (15)	8.3 ± 0.2 (14)	7.4 ± 0.2 (14)
tno=03	1989	7.1 ± 0.3 (14)	8.3 ± 0.4 (16)	8.4 ± 0.2 (14)	8.2 ± 0.4 (11)	7.9 ± 0.3 (17)	8.7 ± 0.4 (12)	8.0 ± 0.2 (17)
tno=03	1990	7.4 ± 0.1 (16)	7.8 ± 0.3 (11)	8.9 ± 0.3 (11)	8.5 ± 0.2 (15)	8.2 ± 0.2 (16)	8.2 ± 0.3 (17)	7.8 ± 0.2 (18)
tno=03	1991	7.3 ± 0.3 (12)	8.5 ± 0.4 (14)	8.6 ± 0.3 (13)	8.8 ± 0.4 (14)	8.0 ± 0.4 (13)	8.6 ± 0.3 (12)	7.9 ± 0.3 (11)
tno=03	1992	7.0 ± 0.2 (15)	8.2 ± 0.3 (17)	8.6 ± 0.2 (17)	8.7 ± 0.3 (16)	8.3 ± 0.3 (15)	8.3 ± 0.2 (16)	7.7 ± 0.4 (14)
tno=03	1993	6.7 ± 0.5 (9)	8.2 ± 0.2 (13)	8.4 ± 0.2 (17)	8.4 ± 0.3 (16)	8.2 ± 0.3 (15)	8.0 ± 0.3 (15)	7.6 ± 0.4 (12)
tno=03	1994	7.0 ± 0.2 (13)	8.4 ± 0.3 (15)	8.4 ± 0.2 (15)	8.8 ± 0.4 (14)	8.6 ± 0.3 (15)	9.2 ± 0.2 (15)	7.9 ± 0.2 (13)
tno=03	1995	8.1 ± 0.4 (14)	8.5 ± 0.3 (15)	8.5 ± 0.3 (14)	8.6 ± 0.2 (15)	8.8 ± 0.3 (13)	8.8 ± 0.2 (15)	8.4 ± 0.3 (15)
tno=03	1996	7.6 ± 0.3 (11)	7.9 ± 0.4 (16)	8.5 ± 0.4 (11)	8.8 ± 0.4 (11)	8.8 ± 0.3 (13)	8.7 ± 0.3 (12)	8.0 ± 0.3 (14)
tno=03	1997	7.8 ± 0.3 (9)	8.2 ± 0.4 (16)	9.2 ± 0.4 (10)	8.6 ± 0.4 (11)	8.7 ± 0.3 (9)	7.8 ± 0.5 (12)	7.7 ± 0.5 (7)
tno=03	1998	7.0 ± 0.2 (9)	8.9 ± 0.4 (15)	8.0 ± 0.4 (15)	8.3 ± 0.3 (17)	8.7 ± 0.3 (17)	8.6 ± 0.4 (12)	8.2 ± 0.2 (12)
tno=03	81-84	7.0 ± 0.1 (53)	8.0 ± 0.1 (45)	8.1 ± 0.2 (39)	8.1 ± 0.2 (52)	7.8 ± 0.2 (51)	8.0 ± 0.2 (50)	7.8 ± 0.1 (60)
tno=03	84-89	7.2 ± 0.1 (67)	8.2 ± 0.1 (73)	8.4 ± 0.1 (53)	8.5 ± 0.1 (71)	8.4 ± 0.1 (79)	8.5 ± 0.1 (73)	7.7 ± 0.1 (81)
tno=03	90-94	7.1 ± 0.1 (65)	8.2 ± 0.1 (70)	8.5 ± 0.1 (73)	8.6 ± 0.1 (75)	8.3 ± 0.1 (74)	8.4 ± 0.1 (75)	7.8 ± 0.1 (68)
tno=03	95-98	7.7 ± 0.2 (43)	8.4 ± 0.2 (60)	8.5 ± 0.2 (50)	8.5 ± 0.2 (54)	8.7 ± 0.2 (52)	8.5 ± 0.2 (51)	8.1 ± 0.2 (48)
to3max	1981	12.4 ± 0.3 (17)	12.6 ± 0.3 (18)	12.1 ± 0.3 (17)	12.4 ± 0.2 (18)	12.4 ± 0.3 (17)	12.5 ± 0.4 (17)	11.9 ± 0.3 (17)
to3max	1982	12.4 ± 0.4 (17)	12.5 ± 0.3 (17)	12.9 ± 0.3 (18)	11.8 ± 0.8 (18)	12.2 ± 0.3 (17)	12.8 ± 0.3 (16)	12.8 ± 0.3 (17)
to3max	1983	13.1 ± 0.3 (17)	12.6 ± 0.3 (16)	12.6 ± 0.3 (17)	12.2 ± 0.3 (18)	12.6 ± 0.4 (15)	12.3 ± 0.2 (16)	12.9 ± 0.2 (17)
to3max	1984	12.4 ± 0.4 (18)	12.6 ± 0.3 (17)	12.2 ± 0.3 (15)	12.1 ± 0.3 (17)	11.9 ± 0.3 (17)	11.9 ± 0.3 (18)	12.6 ± 0.3 (18)
to3max	1985	12.2 ± 0.2 (18)	12.6 ± 0.3 (18)	12.2 ± 0.3 (17)	12.5 ± 0.3 (16)	12.2 ± 0.4 (17)	12.9 ± 0.3 (17)	12.0 ± 0.2 (18)
to3max	1986	12.7 ± 0.3 (18)	12.2 ± 0.2 (18)	12.4 ± 0.2 (18)	12.6 ± 0.3 (16)	12.5 ± 0.3 (17)	12.0 ± 0.3 (17)	12.6 ± 0.3 (17)
to3max	1987	12.2 ± 0.3 (17)	12.6 ± 0.3 (18)	12.9 ± 0.3 (18)	12.4 ± 0.3 (18)	11.6 ± 0.7 (17)	11.6 ± 0.6 (17)	11.9 ± 0.8 (17)
to3max	1988	12.9 ± 0.4 (17)	12.4 ± 0.3 (17)	12.4 ± 0.3 (17)	12.7 ± 0.3 (18)	12.2 ± 0.2 (18)	12.3 ± 0.2 (18)	12.6 ± 0.2 (17)
to3max	1989	12.1 ± 0.2 (17)	12.5 ± 0.3 (17)	12.4 ± 0.4 (17)	12.8 ± 0.3 (17)	12.6 ± 0.2 (18)	12.9 ± 0.3 (17)	12.5 ± 0.3 (18)
to3max	1990	12.0 ± 0.3 (18)	12.1 ± 0.3 (17)	12.1 ± 0.3 (17)	12.5 ± 0.3 (17)	12.4 ± 0.2 (17)	12.4 ± 0.4 (18)	12.4 ± 0.3 (18)
to3max	1991	12.5 ± 0.3 (18)	13.0 ± 0.4 (18)	12.5 ± 0.3 (17)	12.9 ± 0.3 (17)	13.2 ± 0.2 (17)	13.2 ± 0.3 (17)	12.5 ± 0.3 (18)
to3max	1992	11.9 ± 0.2 (16)	12.4 ± 0.4 (18)	12.6 ± 0.4 (18)	12.3 ± 0.3 (18)	12.8 ± 0.2 (17)	12.8 ± 0.3 (17)	12.5 ± 0.2 (17)
to3max	1993	12.3 ± 0.2 (15)	13.0 ± 0.3 (17)	12.4 ± 0.2 (18)	12.4 ± 0.2 (18)	12.7 ± 0.2 (18)	12.4 ± 0.2 (16)	12.6 ± 0.2 (16)
to3max	1994	12.8 ± 0.3 (17)	13.1 ± 0.4 (17)	12.8 ± 0.3 (16)	13.0 ± 0.3 (18)	12.8 ± 0.2 (17)	12.8 ± 0.3 (18)	12.9 ± 0.2 (17)
to3max	1995	12.9 ± 0.3 (16)	13.1 ± 0.3 (16)	13.2 ± 0.4 (17)	13.2 ± 0.3 (17)	13.5 ± 0.3 (16)	13.2 ± 0.5 (17)	12.9 ± 0.3 (17)
to3max	1996	13.0 ± 0.3 (18)	13.1 ± 0.3 (18)	12.8 ± 0.2 (17)	13.4 ± 0.3 (17)	12.6 ± 0.3 (17)	13.1 ± 0.2 (17)	12.8 ± 0.2 (18)
to3max	1997	12.6 ± 0.2 (17)	13.3 ± 0.3 (18)	13.5 ± 0.4 (18)	12.9 ± 0.3 (17)	13.5 ± 0.4 (16)	12.6 ± 0.3 (17)	13.2 ± 0.2 (17)
to3max	1998	12.2 ± 0.2 (17)	13.4 ± 0.2 (17)	13.6 ± 0.2 (17)	13.0 ± 0.3 (18)	13.1 ± 0.3 (16)	14.1 ± 0.3 (16)	12.9 ± 0.3 (17)
to3max	81-84	12.6 ± 0.2 (69)	12.5 ± 0.1 (68)	12.4 ± 0.2 (67)	12.1 ± 0.2 (71)	12.3 ± 0.2 (66)	12.4 ± 0.2 (67)	12.6 ± 0.1 (69)
to3max	84-89	12.4 ± 0.1 (87)	12.4 ± 0.1 (88)	12.5 ± 0.1 (87)	12.6 ± 0.1 (85)	12.2 ± 0.2 (87)	12.3 ± 0.2 (86)	12.3 ± 0.2 (87)
to3max	90-94	12.3 ± 0.1 (84)	12.7 ± 0.2 (87)	12.5 ± 0.1 (86)	12.6 ± 0.1 (88)	12.8 ± 0.1 (86)	12.7 ± 0.1 (86)	12.6 ± 0.1 (86)
to3max	95-98	12.7 ± 0.1 (68)	13.2 ± 0.1 (69)	13.3 ± 0.2 (69)	13.1 ± 0.1 (69)	13.2 ± 0.2 (65)	13.2 ± 0.2 (67)	12.9 ± 0.1 (69)
to3acc	1981	5.5 ± 0.5 (15)	4.7 ± 0.5 (12)	4.1 ± 0.5 (13)	4.2 ± 0.4 (15)	4.9 ± 0.6 (13)	4.7 ± 0.7 (10)	4.4 ± 0.4 (16)
to3acc	1982	5.0 ± 0.6 (14)	4.8 ± 0.4 (11)	4.7 ± 0.7 (9)	4.0 ± 0.7 (11)	4.6 ± 0.7 (10)	5.0 ± 0.6 (13)	4.5 ± 0.5 (14)
to3acc	1983	6.0 ± 0.6 (12)	4.8 ± 0.4 (11)	5.1 ± 0.6 (9)	4.7 ± 0.4 (12)	4.3 ± 0.5 (12)	3.8 ± 0.2 (12)	4.8 ± 0.4 (13)
to3acc	1984	5.2 ± 0.5 (12)	4.6 ± 0.5 (11)	4.0 ± 0.4 (7)	4.0 ± 0.6 (14)	4.2 ± 0.5 (14)	3.8 ± 0.4 (15)	4.9 ± 0.3 (17)
to3acc	1985	4.8 ± 0.2 (17)	4.5 ± 0.5 (16)	3.9 ± 0.5 (8)	3.9 ± 0.3 (16)	3.7 ± 0.4 (15)	4.4 ± 0.4 (16)	3.8 ± 0.2 (18)
to3acc	1986	5.5 ± 0.5 (14)	4.0 ± 0.3 (13)	3.1 ± 0.3 (9)	4.2 ± 0.3 (15)	4.2 ± 0.4 (17)	3.9 ± 0.3 (15)	5.1 ± 0.4 (16)

**APPENDIX A**  
**Average Day of the Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
to3acc	1987	4.8 ± 0.3 (12)	4.1 ± 0.4 (16)	4.0 ± 0.3 (10)	4.1 ± 0.5 (15)	2.6 ± 0.9 (15)	3.0 ± 0.7 (16)	4.4 ± 1.0 (16)
to3acc	1988	5.3 ± 0.4 (10)	4.1 ± 0.5 (12)	4.6 ± 0.4 (12)	3.8 ± 0.4 (14)	3.4 ± 0.2 (15)	4.2 ± 0.3 (14)	5.2 ± 0.3 (14)
to3acc	1989	5.0 ± 0.4 (14)	4.2 ± 0.4 (16)	4.1 ± 0.4 (14)	4.4 ± 0.4 (11)	4.6 ± 0.5 (17)	4.4 ± 0.5 (12)	4.5 ± 0.3 (17)
to3acc	1990	4.5 ± 0.3 (16)	4.3 ± 0.6 (11)	3.3 ± 0.3 (11)	3.9 ± 0.4 (15)	4.3 ± 0.4 (16)	4.3 ± 0.4 (17)	4.6 ± 0.3 (18)
to3acc	1991	4.7 ± 0.5 (12)	4.7 ± 0.6 (14)	3.9 ± 0.5 (13)	4.2 ± 0.4 (14)	5.2 ± 0.5 (13)	4.4 ± 0.5 (12)	4.6 ± 0.4 (11)
to3acc	1992	4.8 ± 0.3 (14)	4.3 ± 0.4 (17)	4.0 ± 0.5 (17)	3.5 ± 0.4 (16)	4.4 ± 0.4 (15)	4.6 ± 0.4 (16)	4.8 ± 0.4 (14)
to3acc	1993	5.3 ± 0.4 (9)	4.8 ± 0.6 (13)	4.0 ± 0.3 (17)	4.0 ± 0.2 (16)	4.4 ± 0.5 (15)	4.3 ± 0.5 (15)	4.8 ± 0.5 (12)
to3acc	1994	5.7 ± 0.5 (13)	4.8 ± 0.6 (15)	4.4 ± 0.3 (14)	3.9 ± 0.5 (14)	4.1 ± 0.4 (15)	3.7 ± 0.4 (15)	5.0 ± 0.4 (13)
to3acc	1995	5.1 ± 0.5 (13)	4.6 ± 0.4 (15)	4.4 ± 0.6 (14)	4.6 ± 0.4 (15)	4.6 ± 0.6 (13)	4.4 ± 0.5 (15)	4.1 ± 0.3 (14)
to3acc	1996	5.2 ± 0.7 (11)	5.1 ± 0.7 (14)	4.3 ± 0.4 (11)	4.4 ± 0.3 (11)	3.9 ± 0.4 (13)	4.4 ± 0.5 (12)	4.7 ± 0.4 (14)
to3acc	1997	4.9 ± 0.4 (9)	5.1 ± 0.5 (16)	4.3 ± 0.5 (10)	4.1 ± 0.7 (11)	5.3 ± 0.9 (9)	4.8 ± 0.5 (12)	5.2 ± 0.5 (7)
to3acc	1998	4.9 ± 0.5 (9)	4.3 ± 0.5 (14)	5.5 ± 0.4 (14)	4.8 ± 0.4 (17)	4.4 ± 0.5 (16)	5.3 ± 0.5 (12)	5.0 ± 0.4 (12)
to3acc	81-84	5.4 ± 0.3 (53)	4.7 ± 0.2 (45)	4.5 ± 0.3 (38)	4.2 ± 0.3 (52)	4.5 ± 0.3 (49)	4.3 ± 0.2 (50)	4.7 ± 0.2 (60)
to3acc	84-89	5.1 ± 0.2 (67)	4.2 ± 0.2 (73)	4.0 ± 0.2 (53)	4.1 ± 0.2 (71)	3.7 ± 0.2 (79)	4.0 ± 0.2 (73)	4.6 ± 0.2 (81)
to3acc	90-94	5.0 ± 0.2 (64)	4.6 ± 0.2 (70)	3.9 ± 0.2 (72)	3.9 ± 0.2 (75)	4.5 ± 0.2 (74)	4.3 ± 0.2 (75)	4.7 ± 0.2 (68)
to3acc	95-98	5.0 ± 0.3 (42)	4.8 ± 0.3 (59)	4.7 ± 0.3 (49)	4.5 ± 0.2 (54)	4.5 ± 0.3 (51)	4.7 ± 0.2 (51)	4.7 ± 0.2 (47)
o3rate	1981	22.9 ± 1.6 (15)	22.4 ± 3.3 (12)	32.9 ± 5.2 (13)	31.9 ± 5.1 (15)	34.6 ± 6.2 (13)	34.1 ± 6.1 (10)	29.3 ± 3.5 (16)
o3rate	1982	22.4 ± 3.3 (14)	19.4 ± 3.6 (11)	32.6 ± 9.6 (9)	27.7 ± 8.2 (11)	35.6 ± 8.2 (10)	21.8 ± 4.1 (13)	23.1 ± 4.6 (14)
o3rate	1983	30.8 ± 4.6 (12)	32.2 ± 4.6 (11)	28.6 ± 5.6 (9)	28.8 ± 6.2 (12)	27.3 ± 3.7 (12)	36.3 ± 4.8 (12)	35.5 ± 5.9 (13)
o3rate	1984	24.6 ± 3.2 (12)	24.1 ± 4.1 (11)	27.6 ± 3.6 (7)	37.4 ± 8.2 (14)	25.6 ± 3.8 (14)	31.9 ± 4.7 (15)	24.0 ± 3.9 (17)
o3rate	1985	22.9 ± 2.2 (17)	23.5 ± 4.4 (16)	28.0 ± 5.7 (8)	24.8 ± 3.7 (16)	25.1 ± 4.0 (15)	25.4 ± 4.9 (16)	32.8 ± 4.2 (18)
o3rate	1986	24.7 ± 3.4 (14)	26.3 ± 4.6 (13)	26.1 ± 5.7 (9)	24.9 ± 2.9 (15)	23.8 ± 3.0 (17)	24.6 ± 3.2 (15)	24.9 ± 3.2 (16)
o3rate	1987	27.2 ± 2.7 (12)	22.1 ± 2.5 (16)	25.9 ± 4.2 (10)	29.9 ± 8.2 (15)	21.0 ± 3.4 (15)	26.1 ± 3.5 (16)	21.3 ± 3.9 (16)
o3rate	1988	23.1 ± 3.5 (10)	19.8 ± 2.7 (12)	22.8 ± 3.2 (12)	20.4 ± 3.5 (14)	30.1 ± 4.0 (15)	24.6 ± 3.5 (14)	20.9 ± 4.2 (14)
o3rate	1989	23.9 ± 3.6 (14)	22.1 ± 3.4 (16)	26.1 ± 4.4 (14)	20.2 ± 3.4 (11)	24.8 ± 4.8 (17)	26.3 ± 4.6 (12)	23.9 ± 3.8 (17)
o3rate	1990	22.4 ± 2.7 (16)	21.8 ± 3.4 (11)	22.1 ± 3.8 (11)	16.7 ± 2.2 (15)	18.1 ± 2.2 (16)	23.0 ± 3.9 (17)	19.0 ± 2.2 (18)
o3rate	1991	26.1 ± 3.3 (12)	19.6 ± 2.8 (14)	24.0 ± 6.1 (13)	18.2 ± 3.8 (14)	19.6 ± 4.3 (13)	25.7 ± 4.5 (12)	23.0 ± 3.5 (11)
o3rate	1992	24.0 ± 3.6 (14)	21.2 ± 3.5 (17)	19.8 ± 3.1 (17)	23.9 ± 3.6 (16)	21.9 ± 3.9 (15)	16.3 ± 2.0 (16)	27.4 ± 3.8 (14)
o3rate	1993	18.9 ± 3.0 (9)	18.4 ± 5.7 (13)	19.8 ± 3.1 (17)	18.6 ± 2.2 (16)	19.8 ± 3.0 (15)	21.6 ± 3.9 (15)	23.5 ± 5.1 (12)
o3rate	1994	19.2 ± 2.5 (13)	16.1 ± 2.4 (15)	17.1 ± 2.2 (14)	18.1 ± 2.7 (14)	21.5 ± 4.1 (15)	21.7 ± 3.8 (15)	21.8 ± 2.8 (13)
o3rate	1995	18.6 ± 2.2 (13)	16.6 ± 2.6 (15)	19.4 ± 3.0 (14)	16.1 ± 2.6 (15)	17.3 ± 3.6 (13)	14.3 ± 1.3 (15)	23.4 ± 2.7 (14)
o3rate	1996	16.0 ± 2.3 (11)	13.6 ± 2.1 (14)	12.6 ± 1.4 (11)	14.1 ± 2.0 (11)	14.0 ± 2.6 (13)	11.6 ± 1.6 (12)	18.1 ± 2.3 (14)
o3rate	1997	17.1 ± 2.3 (9)	10.3 ± 1.4 (16)	10.3 ± 1.7 (10)	12.7 ± 2.3 (11)	11.9 ± 3.3 (9)	11.2 ± 2.2 (12)	14.7 ± 2.2 (7)
o3rate	1998	19.3 ± 3.0 (9)	11.6 ± 2.4 (14)	9.5 ± 1.2 (14)	10.6 ± 1.6 (17)	13.3 ± 3.0 (16)	9.4 ± 1.7 (12)	15.0 ± 2.6 (12)
o3rate	81-84	24.9 ± 1.6 (53)	24.5 ± 2.0 (45)	30.8 ± 3.1 (38)	31.8 ± 3.4 (52)	30.4 ± 2.7 (49)	30.8 ± 2.5 (50)	27.7 ± 2.2 (60)
o3rate	84-89	24.3 ± 1.3 (67)	22.8 ± 1.6 (73)	25.6 ± 2.0 (53)	24.3 ± 2.2 (71)	24.9 ± 1.7 (79)	25.4 ± 1.7 (73)	25.0 ± 1.8 (81)
o3rate	90-94	22.3 ± 1.4 (64)	19.3 ± 1.6 (70)	20.4 ± 1.6 (72)	19.2 ± 1.3 (75)	20.2 ± 1.5 (74)	21.5 ± 1.6 (75)	22.7 ± 1.5 (68)
o3rate	95-98	17.8 ± 1.2 (42)	13.0 ± 1.1 (59)	13.2 ± 1.2 (49)	13.3 ± 1.1 (54)	14.2 ± 1.6 (51)	11.8 ± 0.9 (51)	18.4 ± 1.4 (47)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
o3max	1981	119 ± 11 (17)	102 ± 10 (18)	107 ± 14 (18)	110 ± 15 (18)	133 ± 16 (17)	121 ± 13 (17)	133 ± 12 (17)
o3max	1982	99 ± 11 (17)	94 ± 13 (17)	107 ± 16 (18)	105 ± 21 (18)	107 ± 16 (18)	95 ± 17 (17)	96 ± 12 (17)
o3max	1983	133 ± 16 (17)	111 ± 13 (17)	122 ± 16 (17)	109 ± 12 (18)	102 ± 12 (18)	116 ± 16 (18)	131 ± 16 (17)
o3max	1984	104 ± 13 (18)	104 ± 13 (17)	117 ± 18 (17)	109 ± 14 (17)	116 ± 14 (17)	103 ± 12 (18)	105 ± 12 (18)
o3max	1985	114 ± 13 (18)	88 ± 11 (18)	90 ± 10 (17)	101 ± 17 (17)	103 ± 16 (17)	109 ± 13 (17)	121 ± 14 (18)
o3max	1986	106 ± 11 (18)	98 ± 10 (18)	99 ± 12 (18)	98 ± 11 (17)	105 ± 13 (17)	105 ± 12 (17)	102 ± 10 (17)
o3max	1987	108 ± 9 (17)	99 ± 12 (18)	104 ± 12 (18)	101 ± 11 (18)	81 ± 8 (17)	80 ± 10 (17)	98 ± 10 (17)
o3max	1988	94 ± 9 (17)	80 ± 6 (17)	94 ± 8 (17)	87 ± 9 (18)	94 ± 7 (18)	98 ± 7 (18)	102 ± 14 (17)
o3max	1989	109 ± 12 (17)	86 ± 10 (17)	97 ± 13 (17)	94 ± 10 (17)	91 ± 11 (18)	86 ± 8 (18)	94 ± 12 (18)
o3max	1990	97 ± 11 (18)	108 ± 12 (17)	102 ± 11 (17)	75 ± 8 (17)	80 ± 7 (17)	81 ± 7 (18)	99 ± 10 (18)
o3max	1991	109 ± 10 (18)	74 ± 6 (18)	83 ± 11 (17)	75 ± 7 (17)	81 ± 8 (17)	85 ± 9 (17)	90 ± 9 (18)
o3max	1992	98 ± 12 (17)	76 ± 8 (18)	76 ± 8 (17)	83 ± 8 (18)	77 ± 6 (17)	65 ± 7 (17)	83 ± 9 (17)
o3max	1993	89 ± 10 (17)	70 ± 6 (17)	79 ± 7 (18)	82 ± 6 (18)	79 ± 6 (18)	85 ± 8 (17)	89 ± 9 (17)
o3max	1994	98 ± 11 (17)	70 ± 6 (17)	74 ± 7 (17)	75 ± 6 (18)	81 ± 7 (18)	82 ± 9 (18)	90 ± 7 (17)
o3max	1995	93 ± 6 (17)	72 ± 5 (17)	70 ± 5 (17)	72 ± 5 (17)	63 ± 5 (18)	72 ± 6 (18)	89 ± 7 (18)
o3max	1996	75 ± 6 (18)	62 ± 3 (18)	61 ± 3 (17)	61 ± 6 (17)	60 ± 5 (17)	64 ± 5 (17)	81 ± 6 (18)
o3max	1997	65 ± 4 (18)	54 ± 4 (18)	48 ± 4 (18)	57 ± 4 (17)	54 ± 5 (17)	50 ± 5 (17)	59 ± 5 (17)
o3max	1998	84 ± 9 (17)	57 ± 5 (18)	59 ± 6 (18)	49 ± 3 (18)	56 ± 6 (17)	60 ± 6 (17)	77 ± 9 (17)
o3max	81-84	114 ± 7 (69)	103 ± 6 (69)	113 ± 8 (70)	108 ± 8 (71)	114 ± 7 (70)	109 ± 7 (70)	116 ± 7 (69)
o3max	84-89	106 ± 5 (87)	90 ± 4 (88)	97 ± 5 (87)	96 ± 5 (87)	95 ± 5 (87)	96 ± 5 (87)	104 ± 5 (87)
o3max	90-94	98 ± 5 (87)	79 ± 4 (87)	83 ± 4 (86)	78 ± 3 (88)	80 ± 3 (87)	80 ± 4 (87)	90 ± 4 (87)
o3max	95-98	79 ± 3 (70)	61 ± 2 (71)	59 ± 2 (70)	59 ± 3 (69)	58 ± 3 (69)	61 ± 3 (69)	77 ± 4 (70)
34no2	1981	40 ± 4 (16)	36 ± 3 (17)	37 ± 4 (16)	35 ± 4 (17)	48 ± 4 (17)	53 ± 6 (16)	44 ± 4 (17)
34no2	1982	33 ± 3 (17)	28 ± 3 (17)	33 ± 4 (18)	33 ± 4 (18)	37 ± 4 (18)	38 ± 5 (17)	35 ± 4 (17)
34no2	1983	38 ± 4 (17)	32 ± 3 (17)	41 ± 3 (17)	34 ± 3 (18)	31 ± 3 (18)	33 ± 3 (18)	40 ± 4 (17)
34no2	1984	30 ± 5 (18)	29 ± 4 (17)	36 ± 4 (17)	37 ± 4 (16)	34 ± 4 (17)	31 ± 4 (18)	34 ± 3 (18)
34no2	1985	33 ± 4 (18)	23 ± 3 (18)	26 ± 4 (17)	28 ± 4 (17)	31 ± 3 (17)	36 ± 5 (17)	39 ± 3 (18)
34no2	1986	26 ± 3 (17)	27 ± 3 (17)	28 ± 3 (18)	30 ± 3 (16)	32 ± 4 (17)	29 ± 4 (17)	34 ± 3 (16)
34no2	1987	23 ± 3 (17)	27 ± 4 (18)	24 ± 3 (18)	24 ± 4 (17)	24 ± 4 (17)	24 ± 4 (17)	25 ± 4 (17)
34no2	1988	29 ± 4 (17)	28 ± 3 (17)	32 ± 3 (17)	36 ± 3 (18)	36 ± 4 (18)	30 ± 4 (18)	29 ± 3 (17)
34no2	1989	28 ± 4 (16)	30 ± 4 (16)	32 ± 4 (17)	29 ± 4 (17)	28 ± 4 (18)	31 ± 4 (18)	31 ± 5 (17)
34no2	1990	34 ± 3 (18)	32 ± 3 (17)	36 ± 3 (17)	38 ± 4 (17)	31 ± 2 (17)	28 ± 2 (18)	37 ± 2 (18)
34no2	1991	33 ± 4 (18)	28 ± 3 (18)	28 ± 3 (17)	29 ± 3 (17)	29 ± 3 (17)	30 ± 4 (17)	27 ± 2 (18)
34no2	1992	26 ± 4 (17)	32 ± 3 (18)	33 ± 3 (16)	32 ± 4 (17)	31 ± 3 (17)	32 ± 4 (17)	25 ± 4 (17)
34no2	1993	24 ± 3 (17)	24 ± 4 (17)	29 ± 3 (18)	28 ± 3 (18)	26 ± 4 (17)	25 ± 2 (16)	25 ± 4 (17)
34no2	1994	28 ± 4 (17)	28 ± 3 (17)	32 ± 3 (17)	31 ± 3 (18)	32 ± 3 (18)	35 ± 3 (18)	31 ± 3 (17)
34no2	1995	31 ± 2 (17)	27 ± 3 (17)	24 ± 3 (17)	28 ± 3 (17)	27 ± 3 (18)	31 ± 2 (18)	32 ± 3 (18)
34no2	1996	23 ± 3 (18)	23 ± 3 (18)	25 ± 3 (16)	24 ± 3 (17)	24 ± 2 (17)	23 ± 2 (16)	26 ± 2 (18)
34no2	1997	21 ± 2 (18)	21 ± 2 (18)	25 ± 3 (18)	26 ± 3 (16)	21 ± 3 (16)	19 ± 3 (17)	18 ± 2 (17)
34no2	1998	23 ± 2 (17)	25 ± 2 (18)	22 ± 2 (18)	22 ± 2 (16)	23 ± 3 (16)	25 ± 2 (17)	26 ± 3 (17)
34no2	81-84	35 ± 2 (68)	31 ± 2 (68)	37 ± 2 (68)	34 ± 2 (69)	37 ± 2 (70)	38 ± 2 (69)	38 ± 2 (69)
34no2	84-89	28 ± 2 (85)	27 ± 1 (86)	29 ± 2 (87)	30 ± 2 (85)	30 ± 2 (87)	30 ± 2 (87)	32 ± 2 (85)
34no2	90-94	29 ± 2 (87)	29 ± 1 (87)	31 ± 1 (85)	32 ± 1 (87)	30 ± 1 (86)	30 ± 1 (86)	29 ± 1 (87)
34no2	95-98	25 ± 1 (70)	24 ± 1 (71)	24 ± 1 (69)	25 ± 1 (66)	24 ± 1 (67)	25 ± 1 (68)	26 ± 1 (70)
34no	1981	22 ± 5 (16)	21 ± 5 (16)	20 ± 4 (16)	31 ± 6 (17)	22 ± 4 (17)	23 ± 5 (16)	26 ± 5 (17)
34no	1982	19 ± 5 (17)	18 ± 4 (17)	18 ± 4 (18)	21 ± 4 (18)	26 ± 5 (18)	26 ± 5 (17)	30 ± 6 (17)
34no	1983	19 ± 6 (17)	12 ± 3 (17)	22 ± 5 (17)	21 ± 6 (18)	14 ± 4 (18)	22 ± 5 (18)	27 ± 5 (17)
34no	1984	20 ± 6 (18)	16 ± 4 (17)	25 ± 4 (17)	26 ± 7 (16)	24 ± 5 (17)	21 ± 6 (18)	27 ± 5 (18)
34no	1985	20 ± 5 (18)	15 ± 4 (18)	24 ± 8 (17)	15 ± 3 (17)	25 ± 4 (17)	25 ± 4 (17)	29 ± 5 (18)
34no	1986	19 ± 6 (17)	22 ± 7 (17)	19 ± 5 (18)	21 ± 5 (16)	15 ± 3 (17)	22 ± 5 (17)	23 ± 5 (16)
34no	1987	14 ± 3 (17)	20 ± 4 (18)	14 ± 2 (18)	22 ± 6 (17)	16 ± 4 (17)	13 ± 3 (17)	21 ± 7 (17)
34no	1988	15 ± 4 (17)	10 ± 3 (17)	14 ± 2 (17)	19 ± 5 (18)	26 ± 6 (18)	23 ± 7 (18)	9 ± 2 (17)
34no	1989	12 ± 4 (16)	10 ± 3 (16)	21 ± 6 (17)	21 ± 6 (17)	17 ± 4 (18)	19 ± 5 (18)	18 ± 3 (17)
34no	1990	17 ± 5 (18)	15 ± 4 (17)	20 ± 4 (17)	28 ± 7 (17)	13 ± 4 (17)	14 ± 4 (18)	21 ± 4 (18)
34no	1991	13 ± 4 (18)	8 ± 2 (18)	9 ± 3 (17)	14 ± 4 (17)	10 ± 4 (17)	9 ± 3 (17)	11 ± 3 (18)
34no	1992	12 ± 3 (17)	17 ± 5 (18)	21 ± 6 (16)	20 ± 4 (17)	21 ± 6 (17)	26 ± 6 (17)	20 ± 4 (17)
34no	1993	10 ± 4 (17)	5 ± 4 (17)	12 ± 3 (18)	14 ± 4 (18)	15 ± 4 (17)	8 ± 4 (16)	16 ± 7 (17)
34no	1994	12 ± 4 (17)	11 ± 3 (17)	20 ± 6 (17)	22 ± 4 (18)	22 ± 5 (18)	27 ± 6 (18)	15 ± 4 (17)
34no	1995	19 ± 3 (17)	16 ± 3 (17)	18 ± 5 (17)	12 ± 3 (17)	18 ± 5 (18)	19 ± 5 (18)	25 ± 6 (18)
34no	1996	10 ± 4 (18)	8 ± 2 (18)	9 ± 2 (16)	13 ± 5 (17)	14 ± 5 (17)	9 ± 3 (16)	11 ± 2 (18)
34no	1997	15 ± 4 (18)	10 ± 2 (18)	16 ± 3 (18)	17 ± 3 (16)	13 ± 4 (16)	12 ± 3 (17)	11 ± 3 (17)
34no	1998	6 ± 2 (17)	8 ± 2 (18)	9 ± 3 (18)	6 ± 2 (16)	9 ± 2 (16)	16 ± 5 (17)	12 ± 4 (17)
34no	81-84	20 ± 3 (68)	16 ± 2 (67)	21 ± 2 (68)	25 ± 3 (69)	21 ± 2 (70)	23 ± 3 (69)	28 ± 3 (69)
34no	84-89	16 ± 2 (85)	16 ± 2 (86)	18 ± 2 (87)	20 ± 2 (85)	20 ± 2 (87)	20 ± 2 (87)	20 ± 2 (85)
34no	90-94	13 ± 2 (87)	11 ± 2 (87)	16 ± 2 (85)	19 ± 2 (87)	16 ± 2 (86)	17 ± 2 (86)	17 ± 2 (87)
34no	95-98	12 ± 2 (70)	10 ± 1 (71)	13 ± 2 (69)	12 ± 2 (66)	14 ± 2 (67)	14 ± 2 (68)	15 ± 2 (70)
34no2_nox	1981	0.67 ± 0.04 (16)	0.71 ± 0.05 (16)	0.64 ± 0.06 (17)	0.57 ± 0.04 (17)	0.72 ± 0.04 (17)	0.69 ± 0.06 (17)	0.66 ± 0.04 (17)
34no2_nox	1982	0.69 ± 0.05 (17)	0.65 ± 0.05 (17)	0.67 ± 0.04 (18)	0.63 ± 0.04 (18)	0.63 ± 0.04 (18)	0.61 ± 0.04 (17)	0.58 ± 0.04 (17)
34no2_nox	1983	0.76 ± 0.05 (17)	0.80 ± 0.05 (17)	0.71 ± 0.04 (17)	0.72 ± 0.05 (18)	0.74 ± 0.05 (18)	0.67 ± 0.05 (18)	0.68 ± 0.05 (17)
34no2_nox	1984	0.67 ± 0.06 (18)	0.69 ± 0.05 (17)	0.61 ± 0.06 (17)	0.66 ± 0.05 (16)	0.65 ± 0.04 (17)	0.64 ± 0.04 (18)	0.61 ± 0.03 (18)
34no2_nox	1985	0.67 ± 0.06 (18)	0.71 ± 0.06 (18)	0.63 ± 0.07 (17)	0.62 ± 0.05 (17)	0.56 ± 0.03 (17)	0.60 ± 0.03 (17)	0.62 ± 0.05 (18)
34no2_nox	1986	0.66 ± 0.07 (17)	0.66 ± 0.06 (17)	0.67 ± 0.07 (18)	0.68 ± 0.05 (16)	0.75 ± 0.05 (17)	0.63 ± 0.07 (17)	0.64 ± 0.07 (16)
34no2_nox	1987	0.67 ± 0.04 (16)	0.56 ± 0.06 (18)	0.58 ± 0.06 (18)	0.53 ± 0.06 (17)	0.56 ± 0.08 (17)	0.62 ± 0.06 (17)	0.66 ± 0.07 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
34no2_nox	1988	0.73 ± 0.05 (17)	0.78 ± 0.05 (17)	0.72 ± 0.04 (17)	0.72 ± 0.05 (18)	0.66 ± 0.05 (18)	0.66 ± 0.07 (18)	0.77 ± 0.04 (17)
34no2_nox	1989	0.78 ± 0.06 (16)	0.83 ± 0.05 (16)	0.72 ± 0.06 (17)	0.69 ± 0.06 (17)	0.64 ± 0.07 (18)	0.74 ± 0.06 (18)	0.61 ± 0.08 (17)
34no2_nox	1990	0.74 ± 0.04 (18)	0.75 ± 0.05 (17)	0.71 ± 0.05 (17)	0.69 ± 0.06 (17)	0.76 ± 0.05 (17)	0.75 ± 0.05 (18)	0.69 ± 0.05 (18)
34no2_nox	1991	0.76 ± 0.05 (18)	0.84 ± 0.05 (18)	0.81 ± 0.05 (17)	0.77 ± 0.05 (17)	0.82 ± 0.05 (17)	0.80 ± 0.05 (17)	0.79 ± 0.04 (18)
34no2_nox	1992	0.75 ± 0.05 (17)	0.72 ± 0.05 (18)	0.68 ± 0.05 (16)	0.66 ± 0.04 (17)	0.66 ± 0.05 (17)	0.61 ± 0.06 (17)	0.60 ± 0.06 (17)
34no2_nox	1993	0.86 ± 0.05 (17)	0.93 ± 0.03 (17)	0.78 ± 0.04 (18)	0.79 ± 0.06 (18)	0.78 ± 0.06 (17)	0.87 ± 0.05 (16)	0.83 ± 0.06 (17)
34no2_nox	1994	0.76 ± 0.04 (17)	0.75 ± 0.03 (17)	0.70 ± 0.04 (17)	0.66 ± 0.05 (18)	0.67 ± 0.04 (18)	0.64 ± 0.04 (18)	0.74 ± 0.04 (17)
34no2_nox	1995	0.64 ± 0.03 (17)	0.68 ± 0.03 (17)	0.66 ± 0.05 (16)	0.77 ± 0.04 (17)	0.68 ± 0.04 (18)	0.69 ± 0.04 (18)	0.64 ± 0.04 (18)
34no2_nox	1996	0.76 ± 0.04 (18)	0.80 ± 0.04 (18)	0.80 ± 0.04 (16)	0.77 ± 0.04 (17)	0.74 ± 0.05 (17)	0.80 ± 0.04 (16)	0.76 ± 0.03 (18)
34no2_nox	1997	0.67 ± 0.04 (18)	0.72 ± 0.03 (18)	0.69 ± 0.04 (18)	0.65 ± 0.03 (16)	0.69 ± 0.04 (16)	0.69 ± 0.04 (17)	0.69 ± 0.03 (17)
34no2_nox	1998	0.84 ± 0.03 (17)	0.79 ± 0.03 (18)	0.80 ± 0.04 (18)	0.84 ± 0.03 (16)	0.78 ± 0.03 (16)	0.73 ± 0.05 (17)	0.78 ± 0.04 (17)
34no2_nox	81-84	0.70 ± 0.02 (68)	0.71 ± 0.02 (67)	0.66 ± 0.02 (69)	0.65 ± 0.02 (69)	0.69 ± 0.02 (70)	0.65 ± 0.02 (70)	0.63 ± 0.02 (69)
34no2_nox	84-89	0.70 ± 0.03 (84)	0.71 ± 0.03 (86)	0.66 ± 0.03 (87)	0.65 ± 0.03 (85)	0.63 ± 0.03 (87)	0.65 ± 0.03 (87)	0.66 ± 0.03 (85)
34no2_nox	90-94	0.77 ± 0.02 (87)	0.80 ± 0.02 (87)	0.74 ± 0.02 (85)	0.71 ± 0.02 (87)	0.74 ± 0.02 (86)	0.73 ± 0.03 (86)	0.73 ± 0.02 (87)
34no2_nox	95-98	0.73 ± 0.02 (70)	0.75 ± 0.02 (71)	0.74 ± 0.02 (68)	0.76 ± 0.02 (66)	0.72 ± 0.02 (67)	0.72 ± 0.02 (68)	0.72 ± 0.02 (70)
34nmhc	1981	226 ± 53 (17)	184 ± 35 (18)	150 ± 31 (18)	167 ± 33 (18)	208 ± 46 (17)	297 ± 73 (17)	261 ± 70 (17)
34nmhc	1982	423 ± 44 (17)	423 ± 44 (17)	438 ± 57 (18)	404 ± 39 (18)	506 ± 56 (18)	495 ± 64 (17)	513 ± 53 (17)
34nmhc	1983	567 ± 59 (17)	459 ± 32 (17)	477 ± 35 (17)	438 ± 44 (18)	438 ± 44 (18)	506 ± 44 (18)	567 ± 64 (17)
34nmhc	1984	523 ± 66 (18)	441 ± 47 (17)	495 ± 36 (17)	603 ± 77 (17)	549 ± 59 (17)	489 ± 49 (18)	591 ± 70 (18)
34nmhc	1985	523 ± 51 (18)	421 ± 42 (18)	477 ± 57 (17)	423 ± 36 (17)	549 ± 38 (17)	495 ± 52 (17)	625 ± 63 (18)
34nmhc	1986	472 ± 48 (18)	472 ± 33 (18)	489 ± 35 (18)	513 ± 46 (17)	495 ± 36 (17)	513 ± 38 (17)	513 ± 46 (17)
34nmhc	1987	425 ± 26 (16)	489 ± 43 (18)	455 ± 31 (18)	523 ± 62 (18)	459 ± 42 (17)	441 ± 29 (17)	483 ± 67 (16)
34nmhc	1988	513 ± 46 (17)	477 ± 35 (17)	513 ± 38 (17)	574 ± 61 (18)	608 ± 69 (18)	557 ± 51 (18)	513 ± 38 (17)
34nmhc	1989	597 ± 54 (16)	530 ± 50 (15)	611 ± 81 (15)	591 ± 57 (15)	639 ± 60 (17)	603 ± 51 (17)	635 ± 50 (16)
34nmhc	1990	421 ± 55 (18)	387 ± 59 (17)	441 ± 47 (17)	495 ± 74 (17)	387 ± 37 (17)	438 ± 44 (18)	455 ± 39 (18)
34nmhc	1991	370 ± 39 (18)	336 ± 28 (18)	351 ± 44 (17)	405 ± 49 (17)	297 ± 44 (17)	387 ± 45 (17)	319 ± 39 (18)
34nmhc	1992	351 ± 52 (17)	387 ± 43 (18)	405 ± 41 (17)	387 ± 55 (18)	423 ± 58 (17)	405 ± 49 (17)	369 ± 61 (17)
34nmhc	1993	333 ± 54 (17)	315 ± 49 (17)	353 ± 49 (18)	251 ± 44 (18)	353 ± 55 (18)	315 ± 56 (17)	369 ± 67 (17)
34nmhc	1994	385 ± 48 (17)	337 ± 31 (17)	418 ± 58 (17)	394 ± 43 (18)	394 ± 41 (18)	480 ± 47 (18)	400 ± 37 (17)
34nmhc	1995	450 ± 24 (17)	384 ± 31 (17)	340 ± 35 (17)	355 ± 35 (17)	377 ± 38 (18)	411 ± 28 (18)	477 ± 48 (18)
34nmhc	1996	315 ± 48 (17)	243 ± 28 (17)	269 ± 31 (16)	283 ± 41 (17)	313 ± 45 (17)	282 ± 32 (16)	314 ± 38 (18)
34nmhc	1997	335 ± 40 (18)	297 ± 29 (18)	314 ± 38 (18)	396 ± 49 (17)	308 ± 40 (17)	321 ± 38 (17)	287 ± 35 (17)
34nmhc	1998	328 ± 26 (17)	309 ± 21 (18)	272 ± 22 (18)	284 ± 20 (18)	283 ± 21 (17)	366 ± 37 (17)	346 ± 31 (17)
34nmhc	81-84	504 ± 32 (69)	441 ± 24 (69)	470 ± 26 (70)	482 ± 31 (71)	498 ± 30 (70)	497 ± 30 (70)	557 ± 35 (69)
34nmhc	84-89	506 ± 21 (85)	476 ± 18 (86)	506 ± 22 (85)	524 ± 24 (85)	550 ± 24 (86)	522 ± 21 (86)	554 ± 24 (84)
34nmhc	90-94	373 ± 22 (87)	353 ± 19 (87)	393 ± 21 (86)	385 ± 25 (88)	371 ± 21 (87)	406 ± 22 (87)	383 ± 22 (87)
34nmhc	95-98	357 ± 19 (69)	308 ± 15 (70)	299 ± 16 (69)	329 ± 19 (69)	321 ± 19 (69)	347 ± 17 (68)	357 ± 21 (70)
67no	1981	21 ± 4 (16)	48 ± 13 (16)	41 ± 8 (17)	65 ± 16 (18)	62 ± 15 (17)	64 ± 17 (16)	32 ± 8 (17)
67no	1982	21 ± 4 (17)	49 ± 14 (17)	48 ± 10 (18)	61 ± 18 (18)	83 ± 20 (18)	55 ± 10 (17)	34 ± 8 (17)
67no	1983	18 ± 4 (17)	53 ± 11 (16)	71 ± 14 (17)	52 ± 10 (18)	54 ± 11 (18)	61 ± 12 (18)	32 ± 6 (17)
67no	1984	19 ± 4 (18)	40 ± 6 (16)	73 ± 14 (17)	61 ± 13 (16)	59 ± 10 (17)	48 ± 9 (18)	35 ± 8 (18)
67no	1985	23 ± 4 (18)	53 ± 13 (18)	65 ± 19 (17)	62 ± 11 (17)	64 ± 13 (17)	85 ± 22 (17)	42 ± 8 (18)
67no	1986	13 ± 3 (17)	59 ± 16 (16)	95 ± 26 (18)	65 ± 16 (17)	59 ± 12 (17)	56 ± 14 (17)	36 ± 10 (16)
67no	1987	20 ± 4 (17)	57 ± 10 (18)	64 ± 15 (18)	71 ± 17 (17)	46 ± 9 (17)	39 ± 9 (17)	23 ± 6 (17)
67no	1988	16 ± 3 (17)	49 ± 11 (17)	59 ± 13 (16)	54 ± 12 (18)	73 ± 18 (18)	55 ± 14 (17)	15 ± 4 (17)
67no	1989	14 ± 4 (16)	43 ± 9 (16)	56 ± 15 (17)	57 ± 18 (17)	54 ± 14 (18)	72 ± 20 (18)	25 ± 6 (17)
67no	1990	16 ± 4 (18)	51 ± 15 (17)	94 ± 19 (17)	76 ± 19 (17)	45 ± 8 (16)	45 ± 10 (17)	35 ± 7 (18)
67no	1991	13 ± 3 (18)	35 ± 8 (18)	36 ± 7 (17)	55 ± 13 (17)	45 ± 11 (17)	35 ± 8 (17)	14 ± 5 (18)
67no	1992	15 ± 4 (17)	55 ± 12 (18)	53 ± 12 (16)	61 ± 17 (17)	58 ± 13 (17)	51 ± 9 (17)	31 ± 8 (17)
67no	1993	12 ± 6 (17)	39 ± 20 (17)	48 ± 11 (18)	43 ± 10 (18)	48 ± 17 (17)	33 ± 9 (16)	21 ± 9 (17)
67no	1994	12 ± 4 (17)	46 ± 10 (17)	56 ± 16 (17)	69 ± 15 (18)	64 ± 16 (18)	46 ± 8 (18)	21 ± 5 (17)
67no	1995	18 ± 4 (17)	40 ± 7 (17)	52 ± 14 (17)	45 ± 11 (17)	43 ± 8 (18)	53 ± 9 (18)	37 ± 9 (18)
67no	1996	11 ± 3 (18)	34 ± 8 (18)	44 ± 12 (16)	47 ± 14 (17)	42 ± 12 (17)	31 ± 7 (17)	22 ± 5 (18)
67no	1997	14 ± 4 (18)	46 ± 11 (18)	61 ± 15 (17)	44 ± 8 (16)	36 ± 10 (16)	37 ± 11 (17)	19 ± 5 (17)
67no	1998	8 ± 2 (17)	29 ± 7 (18)	33 ± 6 (18)	27 ± 4 (16)	31 ± 5 (16)	47 ± 10 (17)	19 ± 5 (17)
67no	81-84	20 ± 2 (68)	47 ± 6 (65)	58 ± 6 (69)	59 ± 7 (70)	65 ± 7 (70)	57 ± 6 (69)	33 ± 4 (69)
67no	84-89	17 ± 2 (85)	52 ± 5 (85)	68 ± 8 (86)	62 ± 7 (86)	59 ± 6 (87)	62 ± 7 (86)	28 ± 3 (85)
67no	90-94	14 ± 2 (87)	45 ± 6 (87)	57 ± 6 (85)	61 ± 7 (87)	52 ± 6 (85)	42 ± 4 (85)	24 ± 3 (87)
67no	95-98	13 ± 2 (70)	37 ± 4 (71)	47 ± 6 (68)	41 ± 5 (66)	38 ± 4 (67)	42 ± 5 (69)	24 ± 3 (70)
67no2	1981	43 ± 4 (16)	45 ± 5 (17)	48 ± 4 (17)	51 ± 6 (18)	58 ± 7 (17)	58 ± 6 (16)	44 ± 5 (17)
67no2	1982	30 ± 4 (17)	42 ± 4 (17)	43 ± 3 (18)	46 ± 4 (18)	51 ± 6 (18)	54 ± 6 (17)	38 ± 4 (17)
67no2	1983	35 ± 5 (17)	46 ± 5 (16)	53 ± 4 (17)	41 ± 4 (18)	43 ± 5 (18)	43 ± 4 (18)	44 ± 5 (17)
67no2	1984	31 ± 4 (18)	40 ± 4 (16)	47 ± 4 (17)	46 ± 4 (16)	46 ± 5 (17)	37 ± 3 (18)	40 ± 4 (18)
67no2	1985	33 ± 5 (18)	38 ± 4 (18)	38 ± 5 (17)	43 ± 4 (17)	43 ± 4 (17)	49 ± 4 (17)	41 ± 4 (18)
67no2	1986	28 ± 4 (17)	38 ± 5 (16)	39 ± 4 (18)	41 ± 3 (17)	35 ± 4 (17)	39 ± 4 (17)	33 ± 3 (16)
67no2	1987	23 ± 3 (17)	38 ± 4 (18)	33 ± 4 (18)	42 ± 4 (17)	31 ± 3 (17)	32 ± 3 (17)	28 ± 4 (17)
67no2	1988	30 ± 4 (17)	38 ± 3 (17)	41 ± 3 (16)	44 ± 4 (18)	44 ± 3 (18)	45 ± 4 (17)	32 ± 3 (17)
67no2	1989	26 ± 4 (16)	38 ± 5 (16)	45 ± 7 (17)	41 ± 4 (17)	41 ± 4 (18)	41 ± 4 (18)	37 ± 5 (17)
67no2	1990	33 ± 3 (18)	38 ± 5 (17)	52 ± 5 (17)	52 ± 4 (17)	42 ± 4 (16)	43 ± 3 (17)	42 ± 3 (18)
67no2	1991	28 ± 3 (18)	36 ± 3 (18)	39 ± 3 (17)	38 ± 3 (17)	38 ± 4 (17)	37 ± 3 (17)	29 ± 3 (18)
67no2	1992	29 ± 4 (17)	39 ± 4 (18)	39 ± 4 (16)	42 ± 4 (17)	41 ± 3 (17)	37 ± 3 (17)	28 ± 4 (17)
67no2	1993	25 ± 3 (17)	34 ± 4 (17)	36 ± 4 (18)	36 ± 4 (18)	35 ± 5 (17)	34 ± 2 (16)	29 ± 3 (17)
67no2	1994	29 ± 4 (17)	37 ± 2 (17)	40 ± 3 (17)	43 ± 3 (18)	41 ± 3 (18)	43 ± 3 (18)	33 ± 3 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
67no2	1995	30 ± 3 (17)	36 ± 3 (17)	35 ± 4 (17)	39 ± 3 (17)	38 ± 3 (18)	41 ± 2 (18)	34 ± 4 (18)
67no2	1996	23 ± 3 (18)	32 ± 3 (18)	35 ± 3 (16)	37 ± 3 (17)	35 ± 3 (17)	30 ± 2 (17)	31 ± 3 (18)
67no2	1997	20 ± 2 (18)	31 ± 2 (18)	34 ± 3 (17)	35 ± 3 (16)	30 ± 3 (16)	32 ± 3 (17)	23 ± 2 (17)
67no2	1998	24 ± 2 (17)	31 ± 2 (18)	35 ± 3 (18)	31 ± 2 (16)	32 ± 2 (16)	33 ± 2 (17)	30 ± 3 (17)
67no2	81-84	34 ± 2 (68)	43 ± 2 (66)	48 ± 2 (69)	46 ± 2 (70)	49 ± 3 (70)	48 ± 3 (69)	41 ± 2 (69)
67no2	84-89	28 ± 2 (85)	38 ± 2 (85)	39 ± 2 (86)	42 ± 2 (86)	39 ± 2 (87)	41 ± 2 (86)	34 ± 2 (85)
67no2	90-94	29 ± 2 (87)	37 ± 2 (87)	41 ± 2 (85)	42 ± 2 (87)	39 ± 2 (85)	39 ± 1 (85)	32 ± 2 (87)
67no2	95-98	24 ± 1 (70)	33 ± 1 (71)	35 ± 1 (68)	35 ± 1 (66)	34 ± 1 (67)	34 ± 1 (69)	30 ± 2 (70)
67co	1981	0.3 ± 0.1 (17)	1.2 ± 0.4 (18)	1.2 ± 0.4 (18)	1.5 ± 0.4 (18)	1.9 ± 0.6 (17)	1.6 ± 0.4 (17)	0.6 ± 0.2 (17)
67co	1982	1.2 ± 0.2 (17)	2.4 ± 0.5 (17)	2.7 ± 0.4 (18)	2.7 ± 0.6 (18)	3.4 ± 0.7 (18)	2.8 ± 0.5 (17)	1.6 ± 0.3 (17)
67co	1983	1.6 ± 0.2 (17)	2.8 ± 0.3 (17)	3.5 ± 0.4 (17)	2.7 ± 0.2 (18)	2.5 ± 0.4 (18)	2.6 ± 0.4 (18)	1.9 ± 0.2 (17)
67co	1984	1.5 ± 0.1 (18)	2.4 ± 0.2 (17)	3.2 ± 0.4 (17)	3.2 ± 0.5 (17)	2.6 ± 0.4 (17)	2.5 ± 0.3 (18)	2.1 ± 0.3 (18)
67co	1985	1.6 ± 0.2 (18)	2.7 ± 0.4 (18)	2.8 ± 0.6 (17)	2.8 ± 0.4 (17)	2.8 ± 0.3 (17)	3.3 ± 0.6 (17)	2.3 ± 0.3 (18)
67co	1986	1.4 ± 0.1 (18)	3.4 ± 0.5 (18)	3.7 ± 0.6 (18)	3.1 ± 0.3 (17)	2.6 ± 0.3 (17)	2.5 ± 0.4 (17)	1.7 ± 0.2 (17)
67co	1987	1.3 ± 0.2 (16)	3.0 ± 0.4 (18)	3.4 ± 0.5 (18)	3.4 ± 0.4 (18)	2.5 ± 0.3 (17)	2.0 ± 0.2 (17)	1.3 ± 0.2 (16)
67co	1988	1.3 ± 0.1 (17)	2.6 ± 0.4 (17)	2.8 ± 0.4 (16)	2.9 ± 0.5 (18)	3.2 ± 0.5 (18)	2.7 ± 0.4 (18)	1.5 ± 0.2 (17)
67co	1989	1.4 ± 0.2 (17)	2.3 ± 0.4 (17)	3.1 ± 0.7 (17)	2.9 ± 0.4 (17)	3.2 ± 0.6 (18)	3.4 ± 0.7 (18)	1.9 ± 0.2 (18)
67co	1990	1.3 ± 0.2 (18)	2.3 ± 0.4 (17)	3.3 ± 0.5 (17)	2.9 ± 0.5 (17)	2.0 ± 0.3 (16)	1.8 ± 0.3 (17)	1.6 ± 0.2 (18)
67co	1991	1.1 ± 0.2 (18)	1.6 ± 0.2 (18)	1.6 ± 0.3 (17)	1.9 ± 0.4 (17)	1.7 ± 0.3 (17)	1.5 ± 0.2 (17)	1.0 ± 0.2 (18)
67co	1992	1.1 ± 0.2 (17)	2.0 ± 0.4 (18)	1.9 ± 0.3 (17)	2.3 ± 0.4 (18)	2.1 ± 0.3 (17)	1.9 ± 0.3 (17)	1.4 ± 0.2 (17)
67co	1993	1.1 ± 0.2 (17)	1.6 ± 0.4 (17)	2.0 ± 0.3 (18)	1.6 ± 0.3 (18)	1.8 ± 0.4 (18)	1.5 ± 0.3 (17)	1.3 ± 0.3 (17)
67co	1994	1.0 ± 0.2 (17)	1.9 ± 0.2 (17)	2.1 ± 0.3 (17)	2.5 ± 0.4 (18)	2.3 ± 0.4 (18)	2.1 ± 0.3 (18)	1.3 ± 0.1 (17)
67co	1995	1.1 ± 0.1 (17)	1.7 ± 0.2 (17)	1.9 ± 0.3 (17)	1.8 ± 0.3 (17)	1.8 ± 0.2 (18)	2.0 ± 0.2 (18)	1.6 ± 0.2 (18)
67co	1996	0.8 ± 0.2 (17)	1.3 ± 0.2 (17)	1.6 ± 0.3 (17)	1.7 ± 0.3 (17)	1.6 ± 0.3 (17)	1.3 ± 0.2 (17)	1.2 ± 0.2 (18)
67co	1997	0.9 ± 0.2 (17)	1.6 ± 0.3 (18)	2.1 ± 0.4 (18)	2.0 ± 0.4 (17)	1.4 ± 0.2 (17)	1.5 ± 0.3 (17)	1.0 ± 0.2 (17)
67co	1998	0.9 ± 0.1 (17)	1.4 ± 0.2 (18)	1.4 ± 0.1 (18)	1.3 ± 0.1 (18)	1.4 ± 0.1 (17)	1.7 ± 0.2 (17)	1.1 ± 0.1 (17)
67co	81-84	1.4 ± 0.1 (69)	2.5 ± 0.2 (69)	3.1 ± 0.2 (70)	2.9 ± 0.2 (71)	2.9 ± 0.3 (70)	2.6 ± 0.2 (70)	1.9 ± 0.1 (69)
67co	84-89	1.4 ± 0.1 (86)	2.8 ± 0.2 (88)	3.2 ± 0.3 (86)	3.0 ± 0.2 (87)	2.9 ± 0.2 (87)	2.8 ± 0.2 (87)	1.8 ± 0.1 (86)
67co	90-94	1.1 ± 0.1 (87)	1.9 ± 0.1 (87)	2.2 ± 0.2 (86)	2.2 ± 0.2 (88)	2.0 ± 0.2 (86)	1.8 ± 0.1 (86)	1.3 ± 0.1 (87)
67co	95-98	0.9 ± 0.1 (68)	1.5 ± 0.1 (70)	1.7 ± 0.1 (70)	1.7 ± 0.1 (69)	1.6 ± 0.1 (69)	1.6 ± 0.1 (69)	1.2 ± 0.1 (70)
67nmhc	1981	172 ± 35 (17)	455 ± 117 (18)	455 ± 117 (18)	540 ± 133 (18)	656 ± 171 (17)	567 ± 136 (17)	279 ± 69 (17)
67nmhc	1982	441 ± 47 (17)	800 ± 150 (17)	896 ± 131 (18)	913 ± 188 (18)	1133 ± 210 (18)	926 ± 147 (17)	585 ± 78 (17)
67nmhc	1983	567 ± 59 (17)	926 ± 106 (17)	1141 ± 114 (17)	896 ± 74 (18)	845 ± 116 (18)	879 ± 108 (18)	656 ± 73 (17)
67nmhc	1984	540 ± 44 (18)	818 ± 74 (17)	1070 ± 124 (17)	1070 ± 154 (17)	890 ± 114 (17)	845 ± 99 (18)	709 ± 87 (18)
67nmhc	1985	574 ± 56 (18)	896 ± 123 (18)	944 ± 187 (17)	926 ± 130 (17)	926 ± 89 (17)	1087 ± 183 (17)	777 ± 98 (18)
67nmhc	1986	506 ± 36 (18)	1133 ± 158 (18)	1201 ± 169 (18)	1016 ± 106 (17)	890 ± 98 (17)	836 ± 131 (17)	603 ± 73 (17)
67nmhc	1987	463 ± 52 (16)	998 ± 123 (18)	1116 ± 166 (18)	1116 ± 124 (18)	836 ± 87 (17)	692 ± 74 (17)	483 ± 61 (16)
67nmhc	1988	477 ± 35 (17)	872 ± 117 (17)	921 ± 113 (16)	981 ± 153 (18)	1066 ± 163 (18)	913 ± 125 (18)	549 ± 46 (17)
67nmhc	1989	513 ± 53 (17)	782 ± 107 (17)	1034 ± 209 (17)	980 ± 137 (17)	1066 ± 182 (18)	1116 ± 201 (18)	658 ± 65 (18)
67nmhc	1990	472 ± 48 (18)	782 ± 116 (17)	1087 ± 161 (17)	962 ± 165 (17)	692 ± 84 (16)	639 ± 80 (17)	574 ± 50 (18)
67nmhc	1991	404 ± 46 (18)	557 ± 51 (18)	585 ± 87 (17)	565 ± 108 (17)	603 ± 86 (17)	531 ± 65 (17)	387 ± 49 (18)
67nmhc	1992	423 ± 63 (17)	692 ± 118 (18)	674 ± 103 (17)	777 ± 137 (18)	710 ± 106 (17)	656 ± 78 (17)	513 ± 70 (17)
67nmhc	1993	405 ± 72 (17)	585 ± 131 (17)	692 ± 99 (18)	574 ± 79 (18)	625 ± 112 (18)	549 ± 79 (17)	477 ± 82 (17)
67nmhc	1994	400 ± 60 (17)	653 ± 75 (17)	730 ± 102 (17)	835 ± 118 (18)	794 ± 123 (18)	726 ± 90 (18)	464 ± 45 (17)
67nmhc	1995	425 ± 33 (17)	613 ± 56 (17)	660 ± 104 (17)	640 ± 83 (17)	623 ± 67 (18)	692 ± 63 (18)	567 ± 73 (18)
67nmhc	1996	326 ± 49 (17)	472 ± 61 (17)	560 ± 85 (17)	592 ± 92 (17)	576 ± 97 (17)	484 ± 54 (17)	435 ± 69 (18)
67nmhc	1997	348 ± 48 (17)	584 ± 80 (18)	709 ± 118 (18)	700 ± 119 (17)	509 ± 72 (17)	551 ± 85 (17)	373 ± 52 (17)
67nmhc	1998	351 ± 26 (17)	513 ± 62 (18)	497 ± 36 (18)	482 ± 37 (18)	509 ± 41 (17)	594 ± 63 (17)	409 ± 45 (17)
67nmhc	81-84	516 ± 30 (69)	848 ± 60 (69)	1036 ± 68 (70)	959 ± 74 (71)	956 ± 80 (70)	883 ± 62 (70)	650 ± 43 (69)
67nmhc	84-89	508 ± 21 (86)	939 ± 57 (88)	1047 ± 76 (86)	1005 ± 58 (87)	959 ± 59 (87)	931 ± 68 (87)	618 ± 33 (86)
67nmhc	90-94	421 ± 26 (87)	653 ± 45 (87)	753 ± 53 (86)	760 ± 56 (88)	685 ± 46 (86)	621 ± 35 (86)	483 ± 27 (87)
67nmhc	95-98	362 ± 20 (68)	545 ± 33 (70)	606 ± 46 (70)	602 ± 44 (69)	555 ± 36 (69)	582 ± 34 (69)	447 ± 31 (70)
58hc_nox	1981	2.9 ± 0.3 (16)	3.5 ± 0.4 (16)	3.7 ± 0.4 (18)	3.6 ± 0.4 (18)	3.9 ± 0.4 (17)	4.0 ± 0.4 (17)	3.2 ± 0.4 (17)
58hc_nox	1982	10.1 ± 0.9 (17)	8.9 ± 0.4 (17)	9.3 ± 0.3 (18)	8.3 ± 0.3 (18)	8.2 ± 0.3 (18)	8.2 ± 0.3 (17)	9.1 ± 0.6 (17)
58hc_nox	1983	13.3 ± 1.2 (17)	9.7 ± 0.5 (16)	9.2 ± 0.3 (17)	9.5 ± 0.4 (18)	8.9 ± 0.3 (18)	9.4 ± 0.4 (18)	10.2 ± 0.6 (16)
58hc_nox	1984	12.7 ± 1.4 (18)	9.8 ± 0.4 (17)	9.1 ± 0.6 (17)	9.3 ± 0.4 (16)	9.2 ± 0.4 (17)	10.5 ± 0.5 (18)	10.4 ± 0.6 (18)
58hc_nox	1985	12.8 ± 1.2 (18)	11.5 ± 0.8 (18)	10.4 ± 0.5 (17)	9.3 ± 0.4 (17)	9.4 ± 0.6 (17)	8.4 ± 0.5 (17)	10.2 ± 0.6 (18)
58hc_nox	1986	16.5 ± 2.5 (17)	12.5 ± 1.3 (16)	11.1 ± 0.9 (18)	11.0 ± 0.8 (17)	10.1 ± 0.6 (17)	9.8 ± 0.8 (16)	10.7 ± 1.0 (16)
58hc_nox	1987	17.5 ± 4.3 (16)	11.1 ± 0.8 (18)	11.7 ± 0.9 (18)	11.2 ± 1.0 (17)	11.9 ± 1.1 (16)	10.6 ± 0.7 (17)	12.9 ± 1.5 (16)
58hc_nox	1988	14.1 ± 2.2 (17)	10.4 ± 0.8 (17)	9.7 ± 0.6 (17)	10.1 ± 0.6 (18)	9.9 ± 0.7 (18)	10.1 ± 0.7 (17)	12.4 ± 0.9 (17)
58hc_nox	1989	15.8 ± 1.2 (16)	11.3 ± 0.9 (16)	11.5 ± 1.0 (17)	11.1 ± 0.6 (16)	11.7 ± 0.6 (18)	10.7 ± 0.5 (18)	13.2 ± 0.9 (17)
58hc_nox	1990	10.7 ± 0.4 (18)	9.4 ± 0.6 (17)	7.2 ± 0.2 (17)	7.9 ± 0.3 (16)	8.2 ± 0.3 (16)	7.5 ± 0.2 (17)	8.5 ± 0.4 (18)
58hc_nox	1991	11.2 ± 1.3 (18)	8.8 ± 0.6 (18)	8.2 ± 0.4 (16)	8.2 ± 0.3 (15)	8.2 ± 0.4 (17)	8.4 ± 0.4 (17)	10.2 ± 0.8 (18)
58hc_nox	1992	10.0 ± 1.0 (17)	8.3 ± 0.6 (17)	7.9 ± 0.3 (16)	7.7 ± 0.3 (17)	7.9 ± 0.4 (17)	7.6 ± 0.3 (17)	10.0 ± 1.0 (17)
58hc_nox	1993	11.4 ± 1.1 (17)	9.2 ± 0.7 (17)	8.8 ± 0.7 (18)	8.2 ± 0.9 (18)	9.3 ± 0.9 (17)	8.4 ± 0.5 (15)	11.3 ± 1.2 (17)
58hc_nox	1994	11.6 ± 1.0 (17)	8.6 ± 0.4 (17)	8.3 ± 0.5 (17)	7.9 ± 0.4 (18)	8.1 ± 0.4 (18)	8.1 ± 0.3 (18)	10.1 ± 0.7 (17)
58hc_nox	1995	10.4 ± 1.0 (17)	9.0 ± 0.7 (17)	9.7 ± 1.2 (17)	8.2 ± 0.5 (17)	8.5 ± 0.6 (18)	7.7 ± 0.2 (18)	9.3 ± 0.6 (18)
58hc_nox	1996	10.4 ± 0.8 (17)	8.2 ± 0.7 (17)	7.5 ± 0.5 (16)	7.6 ± 0.5 (17)	8.1 ± 0.4 (17)	8.6 ± 0.7 (17)	8.3 ± 0.5 (18)
58hc_nox	1997	11.0 ± 0.7 (18)	8.2 ± 0.4 (18)	7.4 ± 0.5 (17)	8.0 ± 0.3 (16)	8.3 ± 0.4 (16)	8.5 ± 0.4 (17)	9.9 ± 0.5 (17)
58hc_nox	1998	12.1 ± 0.8 (17)	8.9 ± 0.6 (18)	8.2 ± 0.5 (18)	8.8 ± 0.4 (16)	8.2 ± 0.4 (16)	8.3 ± 0.4 (17)	9.7 ± 0.8 (17)
58hc_nox	81-84	12.0 ± 0.7 (68)	9.5 ± 0.4 (66)	9.2 ± 0.4 (70)	9.0 ± 0.3 (70)	8.8 ± 0.3 (70)	9.4 ± 0.4 (70)	9.9 ± 0.4 (68)
58hc_nox	84-89	15.3 ± 1.1 (84)	11.3 ± 0.4 (85)	10.9 ± 0.4 (87)	10.5 ± 0.3 (85)	10.6 ± 0.3 (86)	9.9 ± 0.3 (85)	11.9 ± 0.5 (84)
58hc_nox	90-94	11.0 ± 0.4 (87)	8.9 ± 0.3 (86)	8.1 ± 0.2 (84)	8.0 ± 0.2 (84)	8.3 ± 0.2 (85)	8.0 ± 0.2 (84)	10.0 ± 0.4 (87)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
58hc_nox	95-98	11.0 ± 0.4 (69)	8.6 ± 0.3 (70)	8.2 ± 0.4 (68)	8.2 ± 0.2 (66)	8.3 ± 0.2 (67)	8.3 ± 0.2 (69)	9.3 ± 0.3 (70)
maxo3hc_nox	1981	2.8 ± 0.6 (16)	3.3 ± 0.5 (18)	3.4 ± 0.5 (18)	3.7 ± 0.5 (17)	3.7 ± 0.5 (15)	4.1 ± 0.6 (14)	3.1 ± 0.5 (17)
maxo3hc_nox	1982	11.6 ± 1.1 (17)	10.5 ± 0.8 (16)	8.3 ± 0.5 (17)	11.0 ± 1.0 (17)	9.0 ± 0.7 (18)	8.0 ± 0.8 (17)	10.4 ± 0.5 (17)
maxo3hc_nox	1983	13.3 ± 0.7 (17)	10.3 ± 0.4 (17)	12.3 ± 0.8 (17)	10.1 ± 0.5 (18)	11.5 ± 0.6 (17)	10.6 ± 0.4 (18)	11.9 ± 0.5 (17)
maxo3hc_nox	1984	13.1 ± 1.0 (18)	10.5 ± 0.9 (17)	10.9 ± 0.9 (17)	11.8 ± 1.7 (17)	11.0 ± 0.6 (17)	10.5 ± 0.6 (18)	13.3 ± 0.7 (18)
maxo3hc_nox	1985	15.0 ± 1.2 (17)	12.1 ± 1.0 (16)	10.6 ± 0.7 (14)	10.5 ± 1.0 (15)	9.6 ± 0.6 (15)	10.5 ± 0.6 (16)	12.8 ± 0.9 (17)
maxo3hc_nox	1986	14.8 ± 1.0 (17)	13.8 ± 1.9 (17)	11.9 ± 1.8 (18)	11.9 ± 0.7 (16)	11.3 ± 0.7 (17)	11.7 ± 0.8 (16)	14.6 ± 1.0 (16)
maxo3hc_nox	1987	14.4 ± 1.2 (16)	11.3 ± 0.7 (18)	11.8 ± 0.9 (17)	12.7 ± 1.1 (17)	14.8 ± 2.3 (17)	13.9 ± 1.9 (17)	16.2 ± 2.5 (16)
maxo3hc_nox	1988	17.5 ± 2.0 (17)	14.0 ± 1.1 (15)	10.7 ± 1.1 (17)	12.1 ± 0.9 (18)	11.7 ± 0.7 (18)	12.6 ± 0.7 (17)	15.2 ± 1.0 (16)
maxo3hc_nox	1989	21.0 ± 2.3 (16)	11.8 ± 1.2 (17)	15.9 ± 1.6 (16)	12.1 ± 1.3 (17)	15.2 ± 1.8 (16)	16.0 ± 2.0 (17)	20.4 ± 2.6 (17)
maxo3hc_nox	1990	13.2 ± 1.0 (18)	8.7 ± 0.9 (17)	8.7 ± 0.7 (17)	7.9 ± 0.9 (17)	9.7 ± 0.8 (17)	10.2 ± 1.4 (18)	11.6 ± 0.6 (18)
maxo3hc_nox	1991	13.0 ± 1.0 (18)	9.8 ± 1.2 (18)	10.0 ± 0.6 (17)	9.9 ± 0.7 (16)	10.2 ± 0.6 (17)	9.2 ± 0.6 (17)	10.9 ± 0.6 (18)
maxo3hc_nox	1992	11.9 ± 1.3 (17)	10.4 ± 1.2 (17)	9.0 ± 0.9 (16)	8.9 ± 0.8 (18)	10.1 ± 0.8 (17)	9.2 ± 1.2 (17)	11.6 ± 1.1 (17)
maxo3hc_nox	1993	16.8 ± 2.8 (17)	10.7 ± 1.1 (17)	10.6 ± 0.9 (18)	8.9 ± 1.0 (18)	11.1 ± 1.1 (15)	13.0 ± 2.2 (15)	13.5 ± 1.3 (17)
maxo3hc_nox	1994	13.7 ± 1.0 (17)	11.3 ± 0.9 (17)	11.0 ± 0.9 (17)	10.2 ± 0.6 (18)	9.7 ± 0.4 (18)	10.4 ± 0.6 (18)	13.2 ± 1.0 (17)
maxo3hc_nox	1995	12.9 ± 0.7 (17)	11.4 ± 1.1 (17)	9.7 ± 0.6 (16)	9.6 ± 0.5 (17)	11.0 ± 1.2 (18)	9.6 ± 0.5 (18)	12.2 ± 0.8 (18)
maxo3hc_nox	1996	12.3 ± 0.9 (17)	8.9 ± 0.8 (16)	8.5 ± 0.3 (17)	9.0 ± 0.5 (17)	8.6 ± 0.5 (17)	9.5 ± 0.5 (16)	10.6 ± 0.8 (18)
maxo3hc_nox	1997	13.7 ± 0.6 (17)	9.4 ± 0.5 (18)	9.8 ± 0.5 (15)	10.4 ± 0.4 (16)	10.4 ± 1.0 (17)	10.3 ± 0.7 (17)	12.2 ± 0.6 (17)
maxo3hc_nox	1998	13.1 ± 0.9 (17)	10.7 ± 1.2 (18)	11.4 ± 0.9 (16)	10.7 ± 0.8 (15)	10.5 ± 1.4 (16)	11.1 ± 0.9 (16)	11.6 ± 0.6 (17)
maxo3hc_nox	81-84	12.7 ± 0.7 (68)	10.4 ± 0.5 (68)	10.5 ± 0.5 (69)	11.0 ± 0.6 (69)	10.5 ± 0.5 (67)	9.7 ± 0.4 (67)	11.9 ± 0.6 (69)
maxo3hc_nox	84-89	16.5 ± 0.7 (83)	12.6 ± 0.6 (83)	12.2 ± 0.6 (82)	11.9 ± 0.5 (83)	12.5 ± 0.7 (83)	13.0 ± 0.6 (83)	15.9 ± 0.8 (82)
maxo3hc_nox	90-94	13.7 ± 0.7 (87)	10.2 ± 0.5 (86)	9.9 ± 0.4 (85)	9.2 ± 0.4 (87)	10.1 ± 0.3 (84)	10.4 ± 0.6 (85)	12.1 ± 0.4 (87)
maxo3hc_nox	95-98	13.0 ± 0.4 (68)	10.1 ± 0.5 (69)	9.8 ± 0.3 (64)	9.9 ± 0.3 (65)	10.1 ± 0.5 (68)	10.1 ± 0.3 (67)	11.6 ± 0.4 (70)
tno=o3	1981	7.2 ± 0.4 (12)	7.9 ± 0.3 (12)	8.1 ± 0.4 (13)	8.1 ± 0.3 (15)	7.6 ± 0.4 (8)	6.9 ± 0.5 (7)	7.1 ± 0.4 (14)
tno=o3	1982	7.1 ± 0.3 (12)	8.0 ± 0.4 (10)	8.1 ± 0.4 (8)	7.6 ± 0.2 (15)	7.8 ± 0.2 (16)	8.8 ± 0.4 (17)	7.9 ± 0.3 (15)
tno=o3	1983	6.5 ± 0.2 (11)	8.1 ± 0.3 (12)	7.9 ± 0.2 (10)	7.7 ± 0.4 (14)	8.0 ± 0.3 (15)	7.8 ± 0.3 (15)	7.1 ± 0.3 (12)
tno=o3	1984	7.0 ± 0.2 (12)	7.5 ± 0.3 (15)	7.9 ± 0.3 (11)	8.2 ± 0.3 (15)	7.6 ± 0.3 (15)	7.6 ± 0.3 (18)	7.5 ± 0.3 (14)
tno=o3	1985	6.7 ± 0.2 (14)	8.2 ± 0.2 (9)	7.2 ± 0.3 (7)	8.3 ± 0.3 (13)	8.2 ± 0.3 (12)	8.3 ± 0.3 (14)	7.1 ± 0.2 (16)
tno=o3	1986	6.9 ± 0.2 (7)	7.8 ± 0.2 (12)	8.4 ± 0.4 (12)	7.8 ± 0.2 (12)	7.7 ± 0.2 (17)	7.5 ± 0.3 (16)	6.8 ± 0.3 (15)
tno=o3	1987	6.9 ± 0.2 (10)	7.5 ± 0.2 (13)	8.0 ± 0.2 (13)	7.9 ± 0.3 (15)	7.8 ± 0.4 (14)	7.8 ± 0.4 (15)	7.4 ± 0.3 (12)
tno=o3	1988	7.2 ± 0.2 (9)	7.9 ± 0.3 (9)	7.9 ± 0.3 (9)	8.1 ± 0.2 (16)	8.3 ± 0.3 (14)	7.5 ± 0.3 (13)	7.0 ± 0.3 (12)
tno=o3	1989	6.4 ± 0.3 (9)	7.3 ± 0.2 (10)	8.2 ± 0.3 (9)	8.2 ± 0.2 (11)	7.4 ± 0.2 (15)	8.1 ± 0.3 (14)	7.6 ± 0.3 (13)
tno=o3	1990	6.4 ± 0.2 (14)	7.5 ± 0.3 (14)	8.2 ± 0.2 (16)	7.9 ± 0.2 (16)	7.5 ± 0.3 (13)	7.8 ± 0.2 (17)	7.1 ± 0.2 (17)
tno=o3	1991	6.9 ± 0.3 (12)	8.2 ± 0.4 (15)	8.1 ± 0.3 (15)	8.5 ± 0.4 (14)	8.0 ± 0.3 (16)	7.9 ± 0.3 (14)	8.0 ± 0.2 (10)
tno=o3	1992	6.7 ± 0.3 (9)	8.0 ± 0.4 (15)	8.1 ± 0.2 (14)	8.0 ± 0.3 (14)	7.8 ± 0.3 (14)	8.6 ± 0.2 (16)	7.3 ± 0.3 (13)
tno=o3	1993	6.4 ± 0.4 (9)	7.7 ± 0.4 (13)	7.9 ± 0.3 (15)	7.9 ± 0.3 (16)	7.5 ± 0.3 (10)	7.7 ± 0.4 (12)	7.9 ± 0.4 (9)
tno=o3	1994	6.9 ± 0.5 (7)	7.8 ± 0.4 (13)	7.9 ± 0.2 (15)	8.2 ± 0.2 (16)	8.1 ± 0.3 (16)	8.1 ± 0.3 (14)	7.3 ± 0.2 (10)
tno=o3	1995	7.0 ± 0.2 (14)	8.0 ± 0.2 (15)	8.6 ± 0.4 (13)	8.2 ± 0.2 (16)	8.4 ± 0.3 (13)	8.4 ± 0.1 (17)	7.5 ± 0.3 (14)
tno=o3	1996	6.9 ± 0.6 (7)	7.6 ± 0.4 (14)	8.4 ± 0.3 (11)	7.8 ± 0.3 (14)	8.0 ± 0.3 (14)	8.3 ± 0.4 (10)	7.6 ± 0.3 (13)
tno=o3	1997	7.2 ± 0.2 (7)	8.9 ± 0.4 (13)	8.7 ± 0.4 (13)	8.8 ± 0.3 (13)	9.0 ± 0.3 (11)	7.7 ± 0.4 (13)	7.8 ± 0.2 (7)
tno=o3	1998	6.9 ± 0.1 (6)	8.2 ± 0.4 (15)	8.2 ± 0.3 (15)	8.0 ± 0.3 (14)	8.3 ± 0.2 (16)	8.2 ± 0.3 (16)	8.4 ± 0.4 (11)
tno=o3	81-84	7.0 ± 0.1 (47)	7.9 ± 0.2 (49)	8.0 ± 0.2 (42)	7.9 ± 0.2 (59)	7.8 ± 0.1 (54)	8.0 ± 0.2 (57)	7.4 ± 0.2 (55)
tno=o3	84-89	6.8 ± 0.1 (49)	7.7 ± 0.1 (53)	8.0 ± 0.1 (50)	8.0 ± 0.1 (67)	7.9 ± 0.1 (72)	7.8 ± 0.1 (72)	7.2 ± 0.1 (68)
tno=o3	90-94	6.7 ± 0.1 (51)	7.8 ± 0.2 (70)	8.0 ± 0.1 (75)	8.1 ± 0.1 (76)	7.8 ± 0.1 (69)	8.0 ± 0.1 (73)	7.5 ± 0.1 (59)
tno=o3	95-98	7.0 ± 0.1 (34)	8.2 ± 0.2 (57)	8.5 ± 0.2 (52)	8.2 ± 0.1 (57)	8.4 ± 0.1 (54)	8.2 ± 0.1 (56)	7.8 ± 0.2 (45)
to3max	1981	11.8 ± 0.4 (17)	11.5 ± 0.4 (18)	11.2 ± 0.6 (18)	12.3 ± 0.4 (18)	12.6 ± 0.4 (16)	12.3 ± 0.4 (16)	12.2 ± 0.4 (17)
to3max	1982	11.8 ± 0.3 (15)	12.0 ± 0.4 (17)	12.2 ± 0.8 (17)	13.0 ± 0.5 (17)	12.3 ± 0.4 (17)	12.1 ± 0.3 (16)	12.8 ± 0.4 (16)
to3max	1983	12.6 ± 0.3 (17)	12.3 ± 0.3 (17)	12.5 ± 0.4 (17)	11.9 ± 0.4 (18)	12.5 ± 0.5 (17)	12.8 ± 0.3 (16)	12.9 ± 0.4 (17)
to3max	1984	12.1 ± 0.5 (17)	12.1 ± 0.4 (17)	11.2 ± 0.8 (16)	11.9 ± 0.3 (16)	11.8 ± 0.4 (17)	12.2 ± 0.4 (18)	11.5 ± 0.2 (18)
to3max	1985	12.7 ± 0.4 (18)	12.0 ± 0.4 (18)	12.1 ± 0.5 (17)	12.2 ± 0.4 (17)	12.2 ± 0.4 (17)	12.3 ± 0.4 (17)	12.3 ± 0.3 (18)
to3max	1986	12.6 ± 0.4 (18)	11.7 ± 0.3 (18)	11.1 ± 0.6 (18)	11.4 ± 0.7 (17)	12.6 ± 0.4 (17)	12.2 ± 0.4 (17)	12.1 ± 0.3 (17)
to3max	1987	12.3 ± 0.3 (17)	12.3 ± 0.3 (18)	12.6 ± 0.3 (18)	12.1 ± 0.2 (18)	11.6 ± 0.7 (16)	12.2 ± 0.3 (15)	11.9 ± 0.7 (17)
to3max	1988	12.2 ± 0.4 (17)	12.4 ± 0.3 (17)	12.3 ± 0.4 (16)	11.9 ± 0.3 (18)	12.5 ± 0.4 (18)	12.1 ± 0.3 (18)	12.9 ± 0.4 (17)
to3max	1989	12.2 ± 0.3 (17)	11.7 ± 0.3 (17)	11.9 ± 0.3 (17)	12.2 ± 0.4 (17)	11.9 ± 0.8 (18)	13.1 ± 0.4 (17)	11.8 ± 0.7 (18)
to3max	1990	11.9 ± 0.3 (18)	12.4 ± 0.3 (17)	12.1 ± 0.3 (17)	11.6 ± 0.8 (16)	12.5 ± 0.4 (17)	12.8 ± 0.4 (18)	12.5 ± 0.3 (18)
to3max	1991	12.2 ± 0.2 (18)	12.5 ± 0.3 (17)	11.8 ± 0.8 (17)	12.7 ± 0.3 (17)	13.1 ± 0.3 (17)	12.0 ± 0.8 (17)	12.6 ± 0.4 (18)
to3max	1992	12.1 ± 0.4 (16)	12.4 ± 0.5 (17)	12.2 ± 0.4 (17)	11.9 ± 0.2 (17)	11.7 ± 0.8 (17)	12.5 ± 0.4 (17)	12.1 ± 0.8 (17)
to3max	1993	11.4 ± 0.7 (17)	12.2 ± 0.9 (17)	12.9 ± 0.3 (17)	12.3 ± 0.4 (18)	12.8 ± 0.4 (18)	12.9 ± 0.3 (17)	12.3 ± 0.3 (16)
to3max	1994	12.3 ± 0.4 (17)	12.9 ± 0.3 (17)	11.8 ± 0.8 (17)	13.0 ± 0.3 (18)	12.9 ± 0.4 (18)	12.9 ± 0.4 (18)	12.4 ± 0.3 (17)
to3max	1995	13.2 ± 0.3 (17)	12.8 ± 0.3 (17)	13.1 ± 0.4 (17)	13.5 ± 0.3 (17)	12.9 ± 0.3 (16)	13.9 ± 0.4 (17)	13.6 ± 0.3 (18)
to3max	1996	12.6 ± 0.3 (18)	13.1 ± 0.3 (18)	13.1 ± 0.2 (17)	13.2 ± 0.3 (17)	12.9 ± 0.4 (17)	13.1 ± 0.3 (17)	13.2 ± 0.3 (18)
to3max	1997	12.6 ± 0.3 (17)	13.8 ± 0.3 (18)	13.1 ± 0.4 (18)	12.8 ± 0.3 (17)	13.3 ± 0.3 (15)	12.9 ± 0.3 (16)	13.1 ± 0.3 (17)
to3max	1998	12.8 ± 0.2 (17)	13.6 ± 0.4 (17)	12.6 ± 0.7 (18)	12.9 ± 0.4 (18)	13.1 ± 0.4 (16)	13.5 ± 0.4 (15)	13.9 ± 0.3 (17)
to3max	81-84	12.1 ± 0.2 (66)	12.0 ± 0.2 (69)	11.8 ± 0.3 (68)	12.3 ± 0.2 (69)	12.3 ± 0.2 (67)	12.3 ± 0.2 (66)	12.3 ± 0.2 (68)
to3max	84-89	12.4 ± 0.2 (87)	12.0 ± 0.2 (88)	12.0 ± 0.2 (86)	11.9 ± 0.2 (87)	12.2 ± 0.3 (86)	12.4 ± 0.2 (84)	12.2 ± 0.2 (87)
to3max	90-94	12.0 ± 0.2 (86)	12.4 ± 0.2 (85)	12.2 ± 0.3 (85)	12.3 ± 0.2 (86)	12.6 ± 0.2 (87)	12.6 ± 0.2 (87)	12.4 ± 0.2 (86)
to3max	95-98	12.8 ± 0.1 (69)	13.3 ± 0.2 (70)	13.0 ± 0.2 (70)	13.1 ± 0.2 (69)	13.1 ± 0.2 (64)	13.3 ± 0.2 (65)	13.4 ± 0.1 (70)
to3acc	1981	4.6 ± 0.7 (12)	3.2 ± 0.3 (12)	3.6 ± 0.6 (13)	4.0 ± 0.5 (15)	4.5 ± 0.9 (8)	5.5 ± 0.8 (7)	5.1 ± 0.5 (14)
to3acc	1982	4.6 ± 0.5 (11)	3.8 ± 0.4 (10)	4.4 ± 0.6 (7)	5.0 ± 0.5 (15)	4.3 ± 0.5 (15)	3.5 ± 0.4 (16)	4.8 ± 0.5 (15)
to3acc	1983	6.6 ± 0.4 (11)	4.3 ± 0.5 (12)	4.6 ± 0.6 (10)	4.3 ± 0.4 (14)	4.6 ± 0.6 (15)	5.2 ± 0.5 (14)	5.9 ± 0.6 (12)
to3acc	1984	5.8 ± 0.6 (11)	4.5 ± 0.5 (15)	3.9 ± 0.5 (10)	3.9 ± 0.5 (14)	4.0 ± 0.3 (15)	4.5 ± 0.4 (18)	4.0 ± 0.4 (14)
to3acc	1985	6.1 ± 0.5 (14)	4.0 ± 0.5 (9)	4.9 ± 0.7 (7)	4.0 ± 0.5 (13)	4.0 ± 0.3 (12)	4.3 ± 0.5 (14)	5.4 ± 0.2 (16)
to3acc	1986	5.5 ± 0.9 (7)	3.7 ± 0.3 (12)	2.5 ± 1.2 (12)	4.0 ± 0.4 (12)	4.9 ± 0.5 (17)	4.8 ± 0.4 (16)	5.2 ± 0.4 (15)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
to3acc	1987	5.3 ± 0.5 (10)	4.5 ± 0.4 (13)	4.3 ± 0.4 (13)	4.2 ± 0.4 (15)	3.9 ± 0.5 (13)	4.6 ± 0.4 (14)	5.1 ± 0.3 (12)
to3acc	1988	5.8 ± 0.5 (9)	4.1 ± 0.5 (9)	4.9 ± 0.4 (8)	3.9 ± 0.4 (16)	4.2 ± 0.3 (14)	4.4 ± 0.4 (13)	6.2 ± 0.5 (12)
to3acc	1989	5.9 ± 0.6 (9)	3.9 ± 0.3 (10)	3.7 ± 0.5 (9)	3.7 ± 0.6 (11)	4.6 ± 1.0 (15)	5.3 ± 0.6 (14)	4.7 ± 0.6 (13)
to3acc	1990	5.3 ± 0.3 (14)	4.9 ± 0.6 (14)	3.9 ± 0.3 (16)	3.6 ± 0.8 (15)	5.1 ± 0.5 (13)	5.0 ± 0.5 (17)	5.4 ± 0.4 (17)
to3acc	1991	5.4 ± 0.4 (12)	4.4 ± 0.4 (15)	3.6 ± 1.1 (15)	4.3 ± 0.3 (14)	5.0 ± 0.4 (16)	3.9 ± 1.0 (14)	5.1 ± 0.4 (10)
to3acc	1992	6.3 ± 0.7 (9)	4.4 ± 0.6 (15)	3.8 ± 0.4 (14)	3.8 ± 0.4 (14)	3.6 ± 1.0 (14)	4.1 ± 0.5 (16)	5.3 ± 0.5 (13)
to3acc	1993	5.2 ± 0.4 (9)	4.5 ± 1.2 (13)	5.0 ± 0.4 (15)	4.4 ± 0.5 (16)	5.5 ± 0.6 (10)	5.1 ± 0.6 (12)	4.7 ± 0.4 (8)
to3acc	1994	5.8 ± 0.6 (7)	5.0 ± 0.5 (13)	3.7 ± 0.9 (15)	4.6 ± 0.4 (16)	4.9 ± 0.5 (16)	4.9 ± 0.5 (14)	5.2 ± 0.3 (10)
to3acc	1995	6.4 ± 0.4 (14)	4.8 ± 0.3 (15)	4.1 ± 0.5 (13)	5.3 ± 0.3 (16)	4.8 ± 0.4 (13)	5.6 ± 0.5 (16)	6.2 ± 0.4 (14)
to3acc	1996	5.3 ± 0.7 (7)	5.6 ± 0.5 (14)	4.7 ± 0.5 (11)	5.3 ± 0.3 (14)	4.7 ± 0.5 (14)	4.9 ± 0.5 (10)	5.8 ± 0.3 (13)
to3acc	1997	6.3 ± 0.5 (7)	5.2 ± 0.5 (13)	4.2 ± 0.6 (13)	4.3 ± 0.5 (13)	4.3 ± 0.5 (11)	4.9 ± 0.5 (13)	5.5 ± 0.7 (7)
to3acc	1998	6.2 ± 0.5 (6)	5.6 ± 0.5 (14)	4.3 ± 0.7 (15)	5.0 ± 0.5 (14)	4.9 ± 0.4 (15)	5.0 ± 0.5 (14)	5.5 ± 0.5 (11)
to3acc	81-84	5.4 ± 0.3 (45)	4.0 ± 0.2 (49)	4.1 ± 0.3 (40)	4.3 ± 0.2 (58)	4.3 ± 0.3 (53)	4.5 ± 0.3 (55)	4.9 ± 0.3 (55)
to3acc	84-89	5.8 ± 0.3 (49)	4.1 ± 0.2 (53)	3.9 ± 0.4 (49)	4.0 ± 0.2 (67)	4.4 ± 0.3 (71)	4.7 ± 0.2 (71)	5.3 ± 0.2 (68)
to3acc	90-94	5.6 ± 0.2 (51)	4.6 ± 0.3 (70)	4.0 ± 0.3 (75)	4.2 ± 0.2 (75)	4.8 ± 0.3 (69)	4.6 ± 0.3 (73)	5.2 ± 0.2 (58)
to3acc	95-98	6.1 ± 0.3 (34)	5.3 ± 0.2 (56)	4.3 ± 0.3 (52)	5.0 ± 0.2 (57)	4.7 ± 0.2 (53)	5.1 ± 0.2 (53)	5.8 ± 0.2 (45)
o3rate	1981	20.8 ± 2.6 (12)	20.8 ± 3.4 (12)	24.1 ± 4.6 (13)	21.7 ± 3.8 (15)	20.9 ± 3.1 (8)	18.9 ± 5.7 (7)	23.6 ± 2.6 (14)
o3rate	1982	23.2 ± 2.2 (11)	15.5 ± 2.8 (10)	18.1 ± 4.6 (7)	20.5 ± 5.0 (15)	22.5 ± 3.3 (15)	18.5 ± 2.6 (16)	21.2 ± 5.3 (15)
o3rate	1983	22.4 ± 3.3 (11)	18.6 ± 2.9 (12)	24.4 ± 4.3 (10)	18.0 ± 2.7 (14)	19.1 ± 2.8 (15)	21.7 ± 3.3 (14)	22.5 ± 4.1 (12)
o3rate	1984	18.7 ± 3.1 (11)	17.8 ± 2.9 (15)	27.5 ± 5.1 (10)	20.4 ± 3.8 (14)	22.6 ± 3.6 (15)	16.8 ± 2.3 (18)	20.1 ± 2.8 (14)
o3rate	1985	15.7 ± 2.2 (14)	22.2 ± 4.3 (9)	19.4 ± 5.5 (7)	17.8 ± 3.7 (13)	16.8 ± 3.4 (12)	17.5 ± 3.0 (14)	18.4 ± 2.8 (16)
o3rate	1986	19.4 ± 3.3 (7)	21.0 ± 4.1 (12)	21.3 ± 3.7 (12)	20.4 ± 2.8 (12)	17.5 ± 2.9 (17)	17.6 ± 1.9 (16)	17.2 ± 2.0 (15)
o3rate	1987	17.2 ± 2.3 (10)	18.3 ± 3.3 (13)	19.7 ± 3.1 (13)	19.9 ± 3.7 (15)	16.0 ± 2.2 (13)	12.9 ± 1.8 (14)	17.7 ± 3.2 (12)
o3rate	1988	14.4 ± 1.9 (9)	13.6 ± 1.8 (9)	18.5 ± 2.8 (8)	15.1 ± 1.5 (16)	16.6 ± 1.7 (14)	16.9 ± 1.8 (13)	16.3 ± 3.5 (12)
o3rate	1989	20.7 ± 3.8 (9)	16.0 ± 2.9 (10)	19.6 ± 4.7 (9)	14.5 ± 1.3 (11)	13.9 ± 3.1 (15)	13.1 ± 1.8 (14)	16.0 ± 2.2 (13)
o3rate	1990	15.2 ± 2.1 (14)	20.8 ± 3.2 (14)	19.8 ± 3.6 (16)	12.5 ± 1.7 (15)	11.2 ± 1.1 (13)	13.4 ± 2.3 (17)	15.1 ± 1.8 (17)
o3rate	1991	17.7 ± 2.0 (12)	12.2 ± 1.4 (15)	13.5 ± 2.9 (15)	13.4 ± 2.4 (14)	11.4 ± 1.5 (16)	13.2 ± 2.7 (14)	15.4 ± 2.4 (10)
o3rate	1992	16.7 ± 3.3 (9)	13.6 ± 2.1 (15)	13.8 ± 2.2 (14)	17.6 ± 3.0 (14)	14.1 ± 3.2 (14)	10.8 ± 1.2 (16)	15.2 ± 1.6 (13)
o3rate	1993	14.6 ± 2.5 (9)	8.5 ± 1.5 (13)	12.1 ± 1.4 (15)	14.5 ± 1.6 (16)	10.9 ± 1.5 (10)	11.9 ± 1.7 (12)	19.1 ± 3.4 (8)
o3rate	1994	18.1 ± 3.1 (7)	11.8 ± 1.6 (13)	12.2 ± 1.8 (15)	13.8 ± 1.7 (16)	13.1 ± 1.3 (16)	14.2 ± 2.1 (14)	16.0 ± 1.8 (10)
o3rate	1995	12.8 ± 1.3 (14)	11.7 ± 1.1 (15)	14.1 ± 1.8 (13)	10.2 ± 1.0 (16)	9.0 ± 1.4 (13)	11.5 ± 1.5 (16)	13.3 ± 1.3 (14)
o3rate	1996	15.6 ± 2.4 (7)	9.4 ± 1.4 (14)	10.0 ± 1.0 (11)	9.1 ± 1.2 (14)	10.6 ± 1.4 (14)	9.4 ± 1.4 (10)	12.1 ± 1.1 (13)
o3rate	1997	10.1 ± 1.4 (7)	7.7 ± 0.9 (13)	9.4 ± 1.3 (13)	10.2 ± 1.2 (13)	11.2 ± 2.8 (11)	7.1 ± 1.3 (13)	10.4 ± 2.2 (7)
o3rate	1998	13.5 ± 2.4 (6)	7.2 ± 0.8 (14)	8.3 ± 1.4 (15)	7.3 ± 1.0 (14)	9.1 ± 0.9 (15)	10.4 ± 1.2 (14)	12.8 ± 2.4 (11)
o3rate	81-84	21.2 ± 1.4 (45)	18.3 ± 1.5 (49)	24.0 ± 2.3 (40)	20.2 ± 1.9 (58)	21.3 ± 1.6 (53)	18.8 ± 1.5 (55)	21.8 ± 1.9 (55)
o3rate	84-89	17.2 ± 1.2 (49)	18.3 ± 1.6 (53)	19.8 ± 1.7 (49)	17.5 ± 1.3 (67)	16.2 ± 1.2 (71)	15.6 ± 1.0 (71)	17.2 ± 1.2 (68)
o3rate	90-94	16.3 ± 1.1 (51)	13.5 ± 1.0 (70)	14.3 ± 1.2 (75)	14.3 ± 0.9 (75)	12.2 ± 0.8 (69)	12.7 ± 0.9 (73)	15.9 ± 0.9 (58)
o3rate	95-98	12.9 ± 0.9 (34)	9.1 ± 0.6 (56)	10.4 ± 0.8 (52)	9.2 ± 0.6 (57)	9.9 ± 0.8 (53)	9.7 ± 0.7 (53)	12.4 ± 0.8 (45)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameter by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
o3max	1981	190 ± 11 (17)	171 ± 11 (18)	179 ± 15 (18)	196 ± 21 (18)	225 ± 15 (17)	219 ± 15 (17)	194 ± 11 (17)
o3max	1982	151 ± 14 (17)	141 ± 16 (17)	164 ± 22 (18)	144 ± 23 (18)	170 ± 22 (18)	142 ± 19 (17)	162 ± 14 (17)
o3max	1983	186 ± 18 (16)	191 ± 21 (17)	186 ± 20 (17)	173 ± 18 (18)	153 ± 19 (18)	186 ± 22 (18)	182 ± 20 (17)
o3max	1984	144 ± 15 (18)	167 ± 15 (17)	170 ± 18 (17)	176 ± 20 (17)	180 ± 15 (17)	175 ± 17 (18)	158 ± 12 (18)
o3max	1985	158 ± 13 (18)	137 ± 16 (18)	144 ± 15 (17)	158 ± 20 (17)	155 ± 18 (17)	168 ± 19 (17)	183 ± 18 (18)
o3max	1986	163 ± 13 (18)	147 ± 9 (18)	151 ± 14 (18)	155 ± 12 (17)	164 ± 17 (17)	165 ± 17 (17)	169 ± 15 (17)
o3max	1987	164 ± 12 (17)	143 ± 11 (18)	162 ± 12 (18)	152 ± 12 (18)	133 ± 11 (17)	145 ± 16 (17)	152 ± 15 (17)
o3max	1988	149 ± 13 (17)	125 ± 10 (17)	150 ± 13 (17)	141 ± 15 (18)	165 ± 11 (18)	173 ± 12 (18)	167 ± 15 (17)
o3max	1989	154 ± 14 (17)	137 ± 15 (17)	159 ± 15 (17)	164 ± 19 (17)	150 ± 13 (18)	143 ± 13 (18)	148 ± 15 (18)
o3max	1990	139 ± 12 (18)	131 ± 11 (17)	125 ± 12 (17)	112 ± 13 (17)	130 ± 12 (17)	126 ± 12 (18)	139 ± 12 (18)
o3max	1991	150 ± 9 (18)	110 ± 11 (18)	111 ± 12 (17)	106 ± 9 (17)	116 ± 13 (17)	131 ± 16 (17)	139 ± 10 (18)
o3max	1992	142 ± 15 (17)	128 ± 13 (18)	116 ± 8 (18)	119 ± 10 (18)	135 ± 9 (17)	115 ± 10 (17)	150 ± 15 (17)
o3max	1993	140 ± 12 (17)	112 ± 12 (17)	123 ± 10 (18)	127 ± 9 (18)	128 ± 11 (18)	135 ± 14 (17)	144 ± 13 (17)
o3max	1994	140 ± 8 (17)	113 ± 9 (17)	116 ± 8 (17)	121 ± 9 (18)	128 ± 9 (18)	124 ± 9 (18)	147 ± 8 (17)
o3max	1995	141 ± 7 (17)	110 ± 7 (17)	116 ± 9 (17)	116 ± 10 (17)	105 ± 11 (18)	114 ± 10 (18)	145 ± 11 (18)
o3max	1996	113 ± 8 (18)	87 ± 6 (18)	87 ± 5 (17)	86 ± 7 (17)	91 ± 9 (17)	91 ± 8 (17)	116 ± 8 (18)
o3max	1997	97 ± 6 (18)	70 ± 5 (18)	73 ± 6 (18)	85 ± 5 (17)	77 ± 8 (17)	73 ± 7 (17)	91 ± 7 (17)
o3max	1998	114 ± 12 (16)	75 ± 8 (17)	78 ± 8 (16)	74 ± 8 (18)	75 ± 9 (17)	78 ± 9 (16)	103 ± 11 (16)
o3max	81-84	167 ± 7 (68)	168 ± 8 (69)	175 ± 9 (70)	172 ± 10 (71)	181 ± 9 (70)	181 ± 10 (70)	174 ± 7 (69)
o3max	84-89	158 ± 6 (87)	138 ± 5 (88)	153 ± 6 (87)	154 ± 7 (87)	153 ± 6 (87)	159 ± 7 (87)	164 ± 7 (87)
o3max	90-94	142 ± 5 (87)	119 ± 5 (87)	118 ± 4 (87)	117 ± 4 (88)	128 ± 5 (87)	126 ± 5 (87)	144 ± 5 (87)
o3max	95-98	116 ± 4 (69)	85 ± 4 (70)	88 ± 4 (68)	90 ± 4 (69)	87 ± 5 (69)	90 ± 5 (68)	114 ± 5 (69)
34no2	1981	43 ± 3 (16)	41 ± 3 (17)	43 ± 3 (17)	39 ± 3 (18)	48 ± 4 (17)	45 ± 3 (17)	45 ± 2 (17)
34no2	1982	44 ± 4 (17)	37 ± 4 (17)	38 ± 4 (18)	42 ± 3 (18)	46 ± 5 (18)	53 ± 6 (17)	52 ± 5 (17)
34no2	1983	48 ± 4 (16)	45 ± 5 (17)	53 ± 5 (17)	46 ± 4 (18)	44 ± 4 (18)	46 ± 5 (18)	56 ± 5 (17)
34no2	1984	38 ± 5 (17)	37 ± 4 (16)	34 ± 4 (16)	36 ± 5 (16)	38 ± 3 (15)	36 ± 4 (17)	41 ± 3 (17)
34no2	1985	41 ± 4 (18)	44 ± 4 (18)	39 ± 3 (17)	43 ± 4 (17)	46 ± 4 (17)	52 ± 4 (17)	58 ± 4 (18)
34no2	1986	43 ± 4 (18)	49 ± 4 (18)	46 ± 4 (18)	48 ± 3 (17)	48 ± 4 (16)	48 ± 4 (16)	48 ± 4 (17)
34no2	1987	42 ± 4 (17)	46 ± 2 (18)	49 ± 3 (18)	47 ± 4 (18)	49 ± 4 (17)	53 ± 5 (17)	47 ± 4 (17)
34no2	1988	40 ± 4 (17)	39 ± 3 (17)	41 ± 3 (17)	49 ± 4 (18)	56 ± 5 (17)	54 ± 4 (18)	48 ± 4 (17)
34no2	1989	48 ± 4 (17)	46 ± 4 (17)	50 ± 5 (17)	54 ± 3 (17)	48 ± 4 (18)	47 ± 3 (18)	46 ± 4 (18)
34no2	1990	33 ± 4 (18)	32 ± 4 (17)	37 ± 3 (17)	30 ± 4 (17)	31 ± 4 (17)	29 ± 3 (18)	29 ± 3 (18)
34no2	1991	34 ± 4 (18)	33 ± 3 (18)	39 ± 4 (17)	38 ± 5 (17)	36 ± 4 (17)	39 ± 5 (17)	38 ± 4 (18)
34no2	1992	36 ± 4 (17)	38 ± 3 (18)	38 ± 4 (17)	42 ± 4 (18)	45 ± 3 (17)	36 ± 3 (17)	34 ± 4 (17)
34no2	1993	35 ± 5 (16)	33 ± 3 (17)	37 ± 4 (16)	37 ± 3 (18)	41 ± 5 (18)	36 ± 4 (17)	36 ± 5 (17)
34no2	1994	38 ± 4 (17)	36 ± 4 (17)	41 ± 4 (17)	44 ± 3 (18)	45 ± 3 (18)	48 ± 3 (18)	48 ± 3 (17)
34no2	1995	49 ± 2 (17)	47 ± 3 (17)	42 ± 3 (17)	44 ± 4 (17)	41 ± 4 (18)	50 ± 3 (18)	49 ± 5 (18)
34no2	1996	38 ± 3 (18)	33 ± 3 (17)	38 ± 3 (17)	40 ± 3 (17)	44 ± 4 (16)	39 ± 3 (17)	42 ± 3 (18)
34no2	1997	28 ± 3 (18)	27 ± 3 (18)	32 ± 3 (18)	36 ± 4 (17)	31 ± 3 (17)	27 ± 3 (17)	27 ± 3 (17)
34no2	1998	33 ± 4 (14)	36 ± 4 (15)	32 ± 4 (16)	32 ± 4 (18)	33 ± 3 (17)	38 ± 4 (15)	35 ± 4 (15)
34no2	81-84	43 ± 2 (66)	40 ± 2 (67)	42 ± 2 (68)	41 ± 2 (70)	44 ± 2 (68)	45 ± 2 (69)	49 ± 2 (68)
34no2	84-89	43 ± 2 (87)	45 ± 2 (88)	45 ± 2 (87)	48 ± 2 (87)	50 ± 2 (85)	51 ± 2 (86)	49 ± 2 (87)
34no2	90-94	35 ± 2 (86)	34 ± 2 (87)	38 ± 2 (86)	38 ± 2 (88)	40 ± 2 (87)	38 ± 2 (87)	37 ± 2 (87)
34no2	95-98	37 ± 2 (67)	36 ± 2 (67)	36 ± 2 (68)	38 ± 2 (69)	37 ± 2 (68)	39 ± 2 (67)	39 ± 2 (68)
34no	1981	38 ± 5 (16)	27 ± 5 (17)	28 ± 4 (17)	29 ± 5 (18)	26 ± 2 (17)	28 ± 4 (17)	36 ± 6 (17)
34no	1982	30 ± 4 (17)	25 ± 5 (17)	28 ± 6 (18)	27 ± 5 (18)	34 ± 8 (18)	37 ± 6 (17)	38 ± 8 (17)
34no	1983	13 ± 4 (16)	9 ± 3 (17)	22 ± 5 (17)	14 ± 3 (18)	23 ± 6 (18)	20 ± 6 (18)	28 ± 7 (17)
34no	1984	24 ± 6 (17)	24 ± 5 (16)	29 ± 6 (16)	28 ± 5 (16)	27 ± 4 (15)	24 ± 5 (17)	26 ± 5 (17)
34no	1985	10 ± 3 (18)	12 ± 4 (18)	15 ± 4 (17)	14 ± 4 (17)	25 ± 5 (17)	16 ± 4 (17)	25 ± 5 (18)
34no	1986	18 ± 5 (18)	16 ± 4 (18)	17 ± 5 (18)	25 ± 6 (17)	23 ± 4 (16)	26 ± 6 (16)	31 ± 8 (17)
34no	1987	11 ± 4 (17)	18 ± 4 (18)	16 ± 4 (18)	14 ± 4 (18)	18 ± 4 (17)	26 ± 6 (17)	17 ± 5 (17)
34no	1988	11 ± 4 (17)	12 ± 4 (17)	10 ± 3 (17)	23 ± 5 (18)	25 ± 6 (17)	28 ± 8 (18)	14 ± 4 (17)
34no	1989	19 ± 5 (17)	22 ± 5 (17)	19 ± 4 (17)	24 ± 6 (17)	19 ± 6 (18)	24 ± 6 (18)	34 ± 7 (18)
34no	1990	16 ± 4 (18)	18 ± 4 (17)	25 ± 6 (17)	16 ± 4 (17)	19 ± 5 (17)	15 ± 4 (18)	22 ± 5 (18)
34no	1991	16 ± 5 (18)	18 ± 6 (18)	18 ± 8 (17)	11 ± 4 (17)	18 ± 5 (17)	16 ± 5 (17)	12 ± 4 (18)
34no	1992	9 ± 3 (17)	13 ± 4 (18)	18 ± 4 (17)	27 ± 5 (18)	27 ± 5 (17)	21 ± 5 (17)	22 ± 7 (17)
34no	1993	10 ± 4 (16)	7 ± 2 (17)	13 ± 4 (18)	16 ± 5 (18)	13 ± 4 (18)	14 ± 5 (17)	18 ± 6 (17)
34no	1994	9 ± 3 (17)	17 ± 3 (17)	26 ± 7 (17)	22 ± 4 (18)	30 ± 6 (18)	34 ± 6 (18)	24 ± 6 (17)
34no	1995	29 ± 5 (17)	24 ± 5 (17)	19 ± 4 (17)	17 ± 4 (17)	27 ± 7 (18)	30 ± 5 (18)	40 ± 9 (18)
34no	1996	13 ± 4 (18)	13 ± 5 (17)	17 ± 4 (17)	19 ± 7 (17)	17 ± 5 (16)	15 ± 3 (17)	21 ± 5 (18)
34no	1997	7 ± 2 (18)	10 ± 3 (18)	20 ± 5 (18)	20 ± 5 (17)	18 ± 5 (17)	12 ± 4 (17)	14 ± 5 (17)
34no	1998	9 ± 2 (14)	17 ± 4 (15)	16 ± 6 (16)	11 ± 3 (18)	16 ± 5 (17)	28 ± 10 (15)	24 ± 6 (15)
34no	81-84	26 ± 3 (66)	21 ± 2 (67)	27 ± 3 (68)	24 ± 2 (70)	28 ± 3 (68)	27 ± 3 (69)	32 ± 3 (68)
34no	84-89	14 ± 2 (87)	16 ± 2 (88)	15 ± 2 (87)	20 ± 2 (87)	22 ± 2 (85)	24 ± 3 (86)	24 ± 3 (87)
34no	90-94	12 ± 2 (86)	14 ± 2 (87)	20 ± 3 (86)	18 ± 2 (88)	21 ± 2 (87)	20 ± 2 (87)	20 ± 2 (87)
34no	95-98	15 ± 2 (67)	16 ± 2 (67)	18 ± 2 (68)	17 ± 2 (69)	20 ± 3 (68)	21 ± 3 (67)	25 ± 3 (68)
34no2_nox	1981	0.56 ± 0.04 (16)	0.65 ± 0.04 (17)	0.64 ± 0.04 (17)	0.62 ± 0.04 (18)	0.65 ± 0.02 (17)	0.65 ± 0.04 (17)	0.60 ± 0.04 (17)
34no2_nox	1982	0.60 ± 0.03 (17)	0.66 ± 0.04 (17)	0.63 ± 0.04 (18)	0.66 ± 0.04 (18)	0.66 ± 0.05 (18)	0.61 ± 0.04 (17)	0.65 ± 0.05 (17)
34no2_nox	1983	0.84 ± 0.04 (16)	0.87 ± 0.04 (17)	0.76 ± 0.05 (17)	0.80 ± 0.05 (18)	0.73 ± 0.05 (18)	0.78 ± 0.05 (18)	0.74 ± 0.05 (17)
34no2_nox	1984	0.71 ± 0.05 (17)	0.65 ± 0.05 (16)	0.62 ± 0.05 (16)	0.64 ± 0.06 (16)	0.65 ± 0.05 (15)	0.64 ± 0.06 (17)	0.66 ± 0.05 (17)
34no2_nox	1985	0.86 ± 0.04 (18)	0.84 ± 0.04 (18)	0.79 ± 0.05 (17)	0.82 ± 0.04 (17)	0.72 ± 0.05 (17)	0.80 ± 0.05 (17)	0.73 ± 0.04 (18)
34no2_nox	1986	0.79 ± 0.04 (18)	0.80 ± 0.04 (18)	0.82 ± 0.05 (18)	0.73 ± 0.05 (17)	0.72 ± 0.04 (16)	0.71 ± 0.05 (16)	0.72 ± 0.06 (17)
34no2_nox	1987	0.86 ± 0.04 (17)	0.77 ± 0.04 (18)	0.81 ± 0.04 (18)	0.82 ± 0.04 (18)	0.79 ± 0.04 (17)	0.74 ± 0.04 (17)	0.81 ± 0.05 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameter by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
34no2_nox	1988	0.84 ± 0.05 (17)	0.85 ± 0.04 (17)	0.84 ± 0.04 (17)	0.76 ± 0.04 (18)	0.75 ± 0.05 (17)	0.74 ± 0.05 (18)	0.84 ± 0.05 (17)
34no2_nox	1989	0.77 ± 0.05 (17)	0.76 ± 0.04 (17)	0.75 ± 0.04 (17)	0.77 ± 0.05 (17)	0.81 ± 0.05 (18)	0.77 ± 0.06 (18)	0.66 ± 0.05 (18)
34no2_nox	1990	0.78 ± 0.05 (18)	0.73 ± 0.05 (17)	0.68 ± 0.05 (17)	0.73 ± 0.05 (16)	0.73 ± 0.05 (17)	0.74 ± 0.05 (17)	0.67 ± 0.06 (18)
34no2_nox	1991	0.81 ± 0.05 (18)	0.78 ± 0.06 (18)	0.79 ± 0.05 (17)	0.86 ± 0.04 (16)	0.78 ± 0.05 (17)	0.80 ± 0.06 (16)	0.83 ± 0.04 (18)
34no2_nox	1992	0.86 ± 0.04 (17)	0.79 ± 0.05 (18)	0.74 ± 0.05 (17)	0.67 ± 0.05 (18)	0.69 ± 0.05 (17)	0.72 ± 0.05 (17)	0.77 ± 0.06 (17)
34no2_nox	1993	0.88 ± 0.05 (16)	0.85 ± 0.04 (17)	0.82 ± 0.04 (18)	0.82 ± 0.05 (18)	0.84 ± 0.04 (18)	0.82 ± 0.05 (17)	0.82 ± 0.05 (17)
34no2_nox	1994	0.85 ± 0.03 (17)	0.75 ± 0.04 (17)	0.71 ± 0.05 (17)	0.72 ± 0.04 (18)	0.67 ± 0.04 (18)	0.65 ± 0.04 (18)	0.73 ± 0.04 (17)
34no2_nox	1995	0.67 ± 0.03 (17)	0.71 ± 0.04 (17)	0.72 ± 0.03 (17)	0.77 ± 0.03 (17)	0.69 ± 0.04 (18)	0.67 ± 0.03 (18)	0.65 ± 0.04 (18)
34no2_nox	1996	0.83 ± 0.04 (18)	0.83 ± 0.05 (17)	0.77 ± 0.05 (17)	0.78 ± 0.05 (17)	0.80 ± 0.04 (16)	0.79 ± 0.04 (17)	0.73 ± 0.04 (18)
34no2_nox	1997	0.86 ± 0.03 (18)	0.79 ± 0.04 (17)	0.71 ± 0.05 (18)	0.73 ± 0.04 (17)	0.73 ± 0.05 (17)	0.78 ± 0.04 (17)	0.78 ± 0.05 (17)
34no2_nox	1998	0.84 ± 0.04 (14)	0.76 ± 0.05 (15)	0.79 ± 0.05 (16)	0.82 ± 0.03 (18)	0.78 ± 0.05 (17)	0.73 ± 0.06 (15)	0.72 ± 0.06 (15)
34no2_nox	81-84	0.68 ± 0.02 (66)	0.71 ± 0.02 (67)	0.66 ± 0.02 (68)	0.68 ± 0.02 (70)	0.67 ± 0.02 (68)	0.67 ± 0.02 (69)	0.66 ± 0.02 (68)
34no2_nox	84-89	0.82 ± 0.02 (87)	0.80 ± 0.02 (88)	0.81 ± 0.02 (87)	0.78 ± 0.02 (87)	0.76 ± 0.02 (85)	0.75 ± 0.02 (86)	0.75 ± 0.02 (87)
34no2_nox	90-94	0.83 ± 0.02 (86)	0.78 ± 0.02 (87)	0.75 ± 0.02 (86)	0.76 ± 0.02 (86)	0.74 ± 0.02 (87)	0.74 ± 0.02 (85)	0.76 ± 0.02 (87)
34no2_nox	95-98	0.80 ± 0.02 (67)	0.77 ± 0.02 (66)	0.75 ± 0.02 (68)	0.78 ± 0.02 (69)	0.75 ± 0.02 (68)	0.74 ± 0.02 (67)	0.72 ± 0.02 (68)
34nmhc	1981	521 ± 48 (16)	441 ± 39 (17)	472 ± 41 (18)	438 ± 37 (18)	477 ± 57 (17)	477 ± 44 (17)	549 ± 59 (17)
34nmhc	1982	423 ± 44 (17)	369 ± 55 (17)	353 ± 60 (18)	353 ± 49 (18)	438 ± 62 (18)	567 ± 74 (17)	531 ± 75 (17)
34nmhc	1983	483 ± 54 (16)	441 ± 60 (17)	513 ± 38 (17)	404 ± 30 (18)	438 ± 37 (18)	455 ± 58 (18)	567 ± 53 (17)
34nmhc	1984	455 ± 68 (18)	387 ± 64 (17)	405 ± 49 (17)	423 ± 58 (17)	423 ± 52 (17)	404 ± 58 (18)	523 ± 44 (18)
34nmhc	1985	404 ± 58 (18)	336 ± 44 (18)	297 ± 44 (17)	333 ± 47 (17)	369 ± 55 (17)	423 ± 44 (17)	557 ± 56 (18)
34nmhc	1986	489 ± 55 (18)	438 ± 44 (18)	421 ± 55 (18)	441 ± 60 (17)	441 ± 47 (17)	477 ± 57 (17)	549 ± 65 (17)
34nmhc	1987	459 ± 56 (17)	472 ± 48 (18)	438 ± 44 (18)	506 ± 44 (18)	459 ± 42 (17)	477 ± 57 (17)	459 ± 62 (17)
34nmhc	1988	297 ± 51 (17)	261 ± 38 (17)	261 ± 38 (17)	387 ± 65 (18)	404 ± 63 (18)	421 ± 55 (18)	369 ± 55 (17)
34nmhc	1989	369 ± 55 (17)	405 ± 61 (17)	441 ± 65 (17)	531 ± 65 (17)	455 ± 39 (18)	472 ± 41 (18)	472 ± 64 (18)
34nmhc	1990	455 ± 58 (18)	423 ± 52 (17)	459 ± 56 (17)	405 ± 55 (17)	423 ± 52 (17)	302 ± 33 (18)	489 ± 55 (18)
34nmhc	1991	472 ± 41 (18)	404 ± 46 (18)	387 ± 52 (17)	405 ± 41 (17)	387 ± 37 (17)	405 ± 49 (17)	404 ± 39 (18)
34nmhc	1992	513 ± 38 (17)	472 ± 48 (18)	472 ± 54 (18)	489 ± 55 (18)	531 ± 38 (17)	521 ± 56 (16)	477 ± 63 (17)
34nmhc	1993	405 ± 61 (17)	333 ± 39 (17)	404 ± 39 (18)	421 ± 34 (18)	472 ± 54 (18)	387 ± 52 (17)	521 ± 83 (16)
34nmhc	1994	425 ± 50 (17)	405 ± 42 (17)	454 ± 49 (17)	446 ± 31 (18)	440 ± 43 (18)	506 ± 40 (18)	509 ± 56 (17)
34nmhc	1995	511 ± 35 (17)	445 ± 33 (17)	378 ± 34 (17)	382 ± 39 (17)	399 ± 42 (18)	460 ± 43 (18)	531 ± 63 (18)
34nmhc	1996	262 ± 43 (18)	216 ± 30 (18)	206 ± 27 (17)	231 ± 34 (17)	238 ± 33 (17)	233 ± 30 (17)	285 ± 38 (18)
34nmhc	1997	367 ± 37 (18)	340 ± 30 (17)	393 ± 46 (17)	405 ± 41 (17)	340 ± 40 (17)	357 ± 47 (17)	387 ± 44 (17)
34nmhc	1998	408 ± 37 (16)	421 ± 41 (17)	395 ± 46 (16)	372 ± 31 (18)	371 ± 32 (17)	420 ± 45 (16)	469 ± 47 (16)
34nmhc	81-84	469 ± 27 (67)	410 ± 27 (68)	435 ± 25 (70)	404 ± 22 (71)	444 ± 26 (70)	474 ± 30 (70)	542 ± 29 (69)
34nmhc	84-89	405 ± 25 (87)	384 ± 22 (88)	373 ± 23 (87)	440 ± 26 (87)	426 ± 22 (87)	454 ± 23 (87)	482 ± 27 (87)
34nmhc	90-94	454 ± 22 (87)	408 ± 21 (87)	435 ± 22 (87)	434 ± 20 (88)	451 ± 21 (87)	423 ± 22 (86)	479 ± 27 (86)
34nmhc	95-98	384 ± 22 (69)	353 ± 20 (69)	342 ± 21 (67)	348 ± 20 (69)	338 ± 20 (69)	368 ± 23 (68)	417 ± 27 (69)
67no	1981	34 ± 5 (17)	52 ± 8 (15)	61 ± 13 (12)	56 ± 16 (16)	62 ± 13 (15)	68 ± 12 (14)	46 ± 8 (17)
67no	1982	36 ± 6 (17)	56 ± 14 (15)	46 ± 12 (13)	74 ± 21 (15)	79 ± 21 (18)	80 ± 16 (17)	45 ± 8 (17)
67no	1983	18 ± 6 (16)	48 ± 15 (15)	59 ± 12 (13)	47 ± 12 (18)	51 ± 9 (18)	60 ± 13 (18)	44 ± 10 (17)
67no	1984	26 ± 6 (17)	46 ± 10 (17)	57 ± 11 (16)	56 ± 11 (16)	58 ± 10 (15)	53 ± 12 (16)	39 ± 8 (17)
67no	1985	19 ± 3 (18)	49 ± 15 (17)	48 ± 10 (17)	42 ± 9 (17)	76 ± 14 (17)	62 ± 12 (17)	40 ± 7 (18)
67no	1986	18 ± 4 (18)	54 ± 8 (18)	64 ± 11 (18)	64 ± 11 (16)	54 ± 12 (16)	63 ± 17 (16)	45 ± 9 (17)
67no	1987	19 ± 5 (17)	67 ± 12 (17)	46 ± 16 (17)	59 ± 13 (18)	55 ± 13 (17)	55 ± 11 (17)	24 ± 7 (17)
67no	1988	14 ± 3 (17)	48 ± 12 (17)	57 ± 15 (17)	75 ± 18 (18)	71 ± 16 (17)	77 ± 20 (18)	24 ± 7 (15)
67no	1989	23 ± 5 (17)	49 ± 10 (17)	65 ± 17 (17)	86 ± 15 (17)	55 ± 12 (17)	91 ± 19 (17)	47 ± 9 (18)
67no	1990	21 ± 4 (18)	46 ± 12 (17)	69 ± 14 (17)	59 ± 12 (17)	45 ± 9 (17)	45 ± 10 (18)	36 ± 8 (18)
67no	1991	29 ± 7 (18)	53 ± 14 (18)	61 ± 16 (17)	41 ± 12 (17)	48 ± 12 (17)	54 ± 16 (17)	28 ± 8 (18)
67no	1992	19 ± 4 (17)	61 ± 15 (16)	72 ± 13 (17)	62 ± 13 (18)	76 ± 16 (17)	58 ± 14 (17)	32 ± 9 (17)
67no	1993	13 ± 4 (17)	19 ± 5 (17)	52 ± 14 (18)	56 ± 17 (18)	36 ± 11 (17)	43 ± 11 (17)	24 ± 7 (17)
67no	1994	13 ± 3 (17)	47 ± 15 (17)	55 ± 13 (17)	65 ± 11 (18)	59 ± 11 (18)	103 ± 14 (18)	39 ± 7 (17)
67no	1995	37 ± 5 (17)	74 ± 14 (17)	69 ± 14 (17)	56 ± 9 (17)	73 ± 13 (18)	96 ± 13 (18)	49 ± 10 (18)
67no	1996	22 ± 6 (18)	51 ± 14 (17)	67 ± 17 (16)	52 ± 13 (16)	59 ± 9 (16)	49 ± 12 (17)	44 ± 8 (18)
67no	1997	11 ± 3 (18)	40 ± 11 (18)	35 ± 9 (18)	62 ± 16 (17)	38 ± 7 (17)	36 ± 11 (16)	28 ± 9 (17)
67no	1998	16 ± 4 (14)	61 ± 14 (15)	46 ± 9 (16)	42 ± 8 (17)	43 ± 12 (17)	58 ± 18 (15)	42 ± 12 (15)
67no	81-84	29 ± 3 (67)	50 ± 6 (62)	56 ± 6 (54)	58 ± 7 (65)	63 ± 7 (66)	65 ± 7 (65)	44 ± 4 (68)
67no	84-89	19 ± 2 (87)	54 ± 5 (86)	56 ± 6 (86)	65 ± 6 (86)	62 ± 6 (84)	70 ± 7 (85)	36 ± 4 (85)
67no	90-94	19 ± 2 (87)	45 ± 6 (85)	62 ± 6 (86)	57 ± 6 (88)	53 ± 5 (86)	61 ± 6 (87)	32 ± 4 (87)
67no	95-98	22 ± 3 (67)	56 ± 7 (67)	54 ± 6 (67)	53 ± 6 (67)	53 ± 6 (68)	61 ± 7 (66)	41 ± 5 (68)
67no2	1981	46 ± 3 (17)	47 ± 4 (15)	50 ± 4 (12)	45 ± 4 (16)	55 ± 5 (15)	53 ± 4 (14)	48 ± 4 (17)
67no2	1982	44 ± 5 (17)	43 ± 6 (15)	45 ± 7 (13)	53 ± 6 (15)	55 ± 7 (18)	61 ± 8 (17)	48 ± 5 (17)
67no2	1983	44 ± 5 (16)	52 ± 5 (15)	62 ± 6 (13)	51 ± 5 (18)	48 ± 5 (18)	57 ± 6 (18)	57 ± 6 (17)
67no2	1984	38 ± 6 (17)	44 ± 6 (17)	41 ± 4 (16)	41 ± 5 (16)	45 ± 4 (15)	41 ± 6 (16)	45 ± 5 (17)
67no2	1985	44 ± 4 (18)	48 ± 6 (17)	48 ± 5 (17)	50 ± 5 (17)	60 ± 7 (17)	62 ± 6 (17)	60 ± 5 (18)
67no2	1986	44 ± 5 (18)	56 ± 4 (18)	56 ± 5 (18)	58 ± 5 (16)	56 ± 5 (16)	58 ± 7 (16)	50 ± 5 (17)
67no2	1987	41 ± 4 (17)	57 ± 4 (17)	52 ± 5 (17)	56 ± 6 (18)	56 ± 6 (17)	59 ± 5 (17)	46 ± 6 (17)
67no2	1988	40 ± 4 (17)	48 ± 4 (17)	56 ± 5 (17)	63 ± 5 (18)	62 ± 6 (17)	62 ± 4 (18)	53 ± 4 (15)
67no2	1989	45 ± 4 (17)	53 ± 5 (17)	59 ± 6 (17)	64 ± 5 (17)	53 ± 4 (17)	61 ± 5 (17)	52 ± 5 (18)
67no2	1990	34 ± 4 (18)	40 ± 6 (17)	43 ± 3 (17)	41 ± 4 (17)	38 ± 3 (17)	37 ± 4 (18)	37 ± 4 (18)
67no2	1991	32 ± 4 (18)	42 ± 4 (18)	49 ± 5 (17)	44 ± 5 (17)	38 ± 4 (17)	42 ± 5 (17)	35 ± 3 (18)
67no2	1992	35 ± 5 (17)	44 ± 5 (16)	44 ± 5 (17)	44 ± 4 (18)	49 ± 4 (17)	42 ± 5 (17)	39 ± 5 (17)
67no2	1993	29 ± 4 (17)	34 ± 2 (17)	40 ± 7 (18)	44 ± 5 (18)	42 ± 5 (17)	41 ± 4 (17)	34 ± 5 (17)
67no2	1994	32 ± 3 (17)	41 ± 3 (17)	46 ± 3 (17)	49 ± 4 (18)	48 ± 3 (18)	57 ± 4 (18)	49 ± 4 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameter by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
67no2	1995	49 ± 3 (17)	52 ± 3 (17)	47 ± 4 (17)	50 ± 4 (17)	50 ± 4 (18)	59 ± 3 (18)	48 ± 5 (18)
67no2	1996	35 ± 4 (18)	42 ± 4 (17)	43 ± 4 (16)	43 ± 4 (16)	50 ± 4 (16)	43 ± 4 (17)	46 ± 3 (18)
67no2	1997	26 ± 3 (18)	31 ± 3 (18)	33 ± 4 (18)	39 ± 5 (17)	35 ± 3 (17)	32 ± 3 (16)	25 ± 3 (17)
67no2	1998	32 ± 4 (14)	42 ± 4 (15)	35 ± 4 (16)	35 ± 4 (17)	35 ± 4 (17)	40 ± 5 (15)	36 ± 5 (15)
67no2	81-84	43 ± 2 (67)	46 ± 3 (62)	49 ± 3 (54)	47 ± 2 (65)	51 ± 3 (66)	53 ± 3 (65)	50 ± 3 (68)
67no2	84-89	43 ± 2 (87)	52 ± 2 (86)	54 ± 2 (86)	58 ± 2 (86)	57 ± 2 (84)	60 ± 2 (85)	52 ± 2 (85)
67no2	90-94	32 ± 2 (87)	40 ± 2 (85)	44 ± 2 (86)	44 ± 2 (88)	43 ± 2 (86)	44 ± 2 (87)	39 ± 2 (87)
67no2	95-98	36 ± 2 (67)	42 ± 2 (67)	39 ± 2 (67)	42 ± 2 (67)	42 ± 2 (68)	44 ± 2 (66)	39 ± 2 (68)
67co	1981	1.4 ± 0.2 (17)	1.9 ± 0.2 (18)	1.9 ± 0.3 (18)	2.1 ± 0.4 (18)	2.1 ± 0.4 (17)	2.1 ± 0.4 (17)	1.7 ± 0.2 (17)
67co	1982	1.1 ± 0.2 (17)	1.5 ± 0.3 (17)	1.8 ± 0.4 (17)	1.9 ± 0.4 (17)	2.4 ± 0.5 (17)	2.5 ± 0.4 (17)	1.4 ± 0.2 (17)
67co	1983	1.3 ± 0.2 (16)	2.1 ± 0.3 (15)	2.2 ± 0.3 (13)	1.8 ± 0.3 (17)	1.7 ± 0.2 (18)	2.3 ± 0.3 (18)	1.8 ± 0.2 (17)
67co	1984	1.1 ± 0.2 (18)	1.9 ± 0.3 (17)	1.9 ± 0.3 (17)	2.1 ± 0.2 (17)	2.0 ± 0.3 (16)	1.9 ± 0.3 (18)	1.8 ± 0.2 (18)
67co	1985	1.2 ± 0.2 (18)	1.5 ± 0.3 (18)	1.6 ± 0.3 (17)	1.5 ± 0.3 (17)	2.5 ± 0.4 (17)	2.1 ± 0.3 (17)	1.8 ± 0.2 (18)
67co	1986	1.1 ± 0.2 (18)	2.1 ± 0.3 (18)	2.3 ± 0.3 (18)	2.1 ± 0.3 (17)	2.2 ± 0.3 (17)	2.0 ± 0.4 (17)	1.8 ± 0.2 (17)
67co	1987	1.4 ± 0.2 (17)	2.3 ± 0.3 (18)	2.1 ± 0.4 (17)	2.1 ± 0.3 (18)	1.9 ± 0.3 (17)	2.1 ± 0.3 (17)	1.4 ± 0.3 (17)
67co	1988	0.9 ± 0.2 (17)	1.4 ± 0.3 (17)	1.8 ± 0.4 (17)	2.0 ± 0.4 (18)	2.1 ± 0.3 (17)	2.1 ± 0.5 (18)	1.1 ± 0.2 (17)
67co	1989	1.2 ± 0.2 (17)	1.8 ± 0.3 (17)	2.1 ± 0.4 (17)	2.4 ± 0.4 (17)	2.1 ± 0.3 (18)	2.3 ± 0.3 (18)	1.6 ± 0.3 (18)
67co	1990	1.4 ± 0.2 (18)	1.8 ± 0.3 (17)	2.2 ± 0.2 (17)	1.8 ± 0.3 (17)	1.6 ± 0.2 (17)	1.5 ± 0.2 (18)	1.6 ± 0.2 (18)
67co	1991	1.3 ± 0.2 (18)	1.8 ± 0.3 (18)	2.0 ± 0.4 (17)	1.6 ± 0.2 (17)	1.7 ± 0.3 (17)	1.6 ± 0.3 (17)	1.2 ± 0.2 (18)
67co	1992	1.5 ± 0.2 (17)	2.2 ± 0.4 (16)	2.4 ± 0.4 (18)	2.0 ± 0.2 (18)	2.5 ± 0.3 (17)	2.0 ± 0.3 (16)	1.6 ± 0.3 (17)
67co	1993	0.9 ± 0.2 (17)	1.2 ± 0.1 (17)	1.7 ± 0.3 (18)	2.1 ± 0.4 (18)	1.8 ± 0.3 (18)	1.7 ± 0.3 (17)	1.5 ± 0.2 (17)
67co	1994	1.0 ± 0.2 (17)	1.7 ± 0.2 (17)	1.8 ± 0.2 (17)	2.2 ± 0.3 (18)	1.8 ± 0.2 (18)	2.6 ± 0.3 (18)	1.6 ± 0.2 (17)
67co	1995	1.5 ± 0.1 (17)	2.0 ± 0.3 (17)	1.6 ± 0.3 (17)	1.5 ± 0.2 (17)	1.8 ± 0.2 (18)	2.1 ± 0.2 (18)	1.5 ± 0.2 (18)
67co	1996	0.7 ± 0.2 (17)	1.2 ± 0.2 (18)	1.2 ± 0.2 (17)	1.2 ± 0.2 (17)	1.2 ± 0.2 (17)	1.2 ± 0.2 (17)	1.1 ± 0.2 (18)
67co	1997	0.9 ± 0.1 (17)	1.4 ± 0.2 (17)	1.4 ± 0.2 (17)	1.8 ± 0.3 (17)	1.3 ± 0.2 (17)	1.3 ± 0.2 (17)	1.1 ± 0.2 (17)
67co	1998	1.2 ± 0.1 (16)	1.7 ± 0.2 (17)	1.3 ± 0.2 (16)	1.4 ± 0.1 (17)	1.3 ± 0.2 (17)	1.6 ± 0.2 (16)	1.4 ± 0.2 (16)
67co	81-84	1.2 ± 0.1 (68)	1.9 ± 0.2 (67)	2.0 ± 0.2 (65)	2.0 ± 0.2 (69)	2.0 ± 0.2 (68)	2.2 ± 0.2 (70)	1.7 ± 0.1 (69)
67co	84-89	1.2 ± 0.1 (87)	1.8 ± 0.1 (88)	2.0 ± 0.2 (86)	2.0 ± 0.2 (87)	2.2 ± 0.1 (86)	2.1 ± 0.2 (87)	1.5 ± 0.1 (87)
67co	90-94	1.2 ± 0.1 (87)	1.7 ± 0.1 (85)	2.0 ± 0.1 (87)	1.9 ± 0.1 (88)	1.9 ± 0.1 (87)	1.9 ± 0.1 (86)	1.5 ± 0.1 (87)
67co	95-98	1.1 ± 0.1 (67)	1.6 ± 0.1 (69)	1.4 ± 0.1 (67)	1.5 ± 0.1 (68)	1.4 ± 0.1 (69)	1.6 ± 0.1 (68)	1.3 ± 0.1 (69)
67nmhc	1981	495 ± 52 (17)	675 ± 76 (18)	675 ± 80 (18)	709 ± 127 (18)	710 ± 116 (17)	728 ± 122 (17)	603 ± 63 (17)
67nmhc	1982	423 ± 58 (17)	549 ± 95 (17)	639 ± 129 (17)	674 ± 129 (17)	800 ± 141 (17)	836 ± 129 (17)	513 ± 59 (17)
67nmhc	1983	483 ± 72 (16)	733 ± 103 (15)	763 ± 86 (13)	639 ± 80 (17)	608 ± 69 (18)	777 ± 104 (18)	621 ± 72 (17)
67nmhc	1984	404 ± 76 (18)	656 ± 98 (17)	656 ± 78 (17)	710 ± 76 (17)	692 ± 79 (16)	658 ± 92 (18)	625 ± 72 (18)
67nmhc	1985	455 ± 53 (18)	540 ± 103 (18)	567 ± 91 (17)	531 ± 79 (17)	836 ± 129 (17)	710 ± 96 (17)	625 ± 76 (18)
67nmhc	1986	421 ± 69 (18)	726 ± 78 (18)	794 ± 96 (18)	728 ± 90 (17)	746 ± 92 (17)	692 ± 117 (17)	639 ± 75 (17)
67nmhc	1987	495 ± 69 (17)	777 ± 81 (18)	710 ± 121 (17)	709 ± 103 (18)	656 ± 82 (17)	710 ± 89 (17)	513 ± 95 (17)
67nmhc	1988	369 ± 72 (17)	513 ± 95 (17)	621 ± 110 (17)	692 ± 123 (18)	728 ± 104 (17)	709 ± 145 (18)	405 ± 67 (17)
67nmhc	1989	459 ± 67 (17)	621 ± 81 (17)	710 ± 116 (17)	818 ± 108 (17)	726 ± 85 (18)	794 ± 99 (18)	574 ± 79 (18)
67nmhc	1990	523 ± 66 (18)	639 ± 99 (17)	746 ± 75 (17)	621 ± 89 (17)	585 ± 52 (17)	540 ± 75 (18)	574 ± 56 (18)
67nmhc	1991	489 ± 49 (18)	625 ± 80 (18)	692 ± 120 (17)	567 ± 64 (17)	603 ± 82 (17)	585 ± 78 (17)	438 ± 51 (18)
67nmhc	1992	531 ± 53 (17)	750 ± 119 (16)	811 ± 108 (18)	692 ± 65 (18)	836 ± 102 (17)	692 ± 92 (16)	585 ± 83 (17)
67nmhc	1993	369 ± 67 (17)	441 ± 39 (17)	608 ± 85 (18)	709 ± 109 (18)	642 ± 99 (18)	603 ± 101 (17)	531 ± 65 (17)
67nmhc	1994	396 ± 51 (17)	586 ± 75 (17)	635 ± 75 (17)	743 ± 81 (18)	618 ± 63 (18)	887 ± 90 (18)	577 ± 67 (17)
67nmhc	1995	525 ± 45 (17)	678 ± 83 (17)	572 ± 77 (17)	547 ± 54 (17)	625 ± 73 (18)	728 ± 68 (18)	543 ± 68 (18)
67nmhc	1996	308 ± 60 (17)	438 ± 66 (18)	463 ± 63 (17)	436 ± 72 (17)	452 ± 54 (17)	434 ± 58 (17)	418 ± 56 (18)
67nmhc	1997	348 ± 41 (17)	518 ± 61 (17)	498 ± 55 (17)	621 ± 84 (17)	488 ± 50 (17)	488 ± 56 (17)	430 ± 48 (17)
67nmhc	1998	433 ± 43 (16)	594 ± 65 (17)	490 ± 52 (16)	515 ± 40 (17)	488 ± 46 (17)	582 ± 66 (16)	523 ± 54 (16)
67nmhc	81-84	450 ± 32 (68)	651 ± 46 (67)	678 ± 48 (65)	684 ± 52 (69)	701 ± 52 (68)	749 ± 55 (70)	591 ± 33 (69)
67nmhc	84-89	440 ± 29 (87)	637 ± 40 (88)	682 ± 47 (86)	696 ± 46 (87)	739 ± 44 (86)	724 ± 49 (87)	552 ± 36 (87)
67nmhc	90-94	463 ± 26 (87)	607 ± 39 (85)	699 ± 42 (87)	668 ± 37 (88)	656 ± 37 (87)	662 ± 41 (86)	540 ± 29 (87)
67nmhc	95-98	403 ± 26 (67)	555 ± 35 (69)	506 ± 31 (67)	529 ± 33 (68)	515 ± 29 (69)	560 ± 33 (68)	478 ± 29 (69)
58hc_nox	1981	6.6 ± 0.5 (17)	6.9 ± 0.4 (18)	6.1 ± 0.4 (16)	6.8 ± 0.6 (18)	6.5 ± 0.4 (17)	6.1 ± 0.6 (16)	6.9 ± 0.5 (17)
58hc_nox	1982	5.7 ± 0.4 (17)	5.8 ± 0.8 (16)	5.5 ± 0.6 (15)	5.4 ± 0.4 (18)	5.9 ± 0.5 (17)	6.0 ± 0.4 (17)	6.1 ± 0.4 (17)
58hc_nox	1983	8.5 ± 1.0 (16)	7.5 ± 0.5 (17)	6.5 ± 0.4 (17)	6.9 ± 0.4 (18)	6.5 ± 0.5 (18)	7.1 ± 0.6 (18)	7.6 ± 0.8 (17)
58hc_nox	1984	6.8 ± 0.8 (17)	7.2 ± 0.4 (16)	7.1 ± 0.5 (16)	7.4 ± 0.8 (16)	6.2 ± 0.4 (15)	11.3 ± 4.8 (15)	7.9 ± 0.8 (17)
58hc_nox	1985	7.2 ± 0.5 (18)	5.8 ± 0.7 (16)	5.5 ± 0.7 (16)	5.8 ± 0.4 (17)	5.9 ± 0.4 (17)	5.9 ± 0.5 (17)	6.3 ± 0.4 (18)
58hc_nox	1986	6.8 ± 0.6 (18)	6.2 ± 0.5 (18)	6.6 ± 0.4 (18)	6.2 ± 0.4 (16)	6.3 ± 0.5 (16)	5.8 ± 0.4 (16)	7.4 ± 0.6 (17)
58hc_nox	1987	8.5 ± 0.7 (17)	6.5 ± 0.4 (18)	7.1 ± 0.6 (17)	6.9 ± 0.4 (18)	6.3 ± 0.4 (17)	6.0 ± 0.4 (17)	7.8 ± 0.8 (17)
58hc_nox	1988	5.8 ± 0.8 (17)	5.3 ± 0.6 (17)	6.3 ± 1.0 (17)	5.7 ± 0.5 (18)	6.1 ± 0.5 (17)	5.5 ± 0.6 (18)	5.4 ± 0.7 (15)
58hc_nox	1989	6.9 ± 0.4 (17)	6.3 ± 0.4 (16)	6.0 ± 0.5 (16)	5.9 ± 0.2 (17)	6.3 ± 0.4 (18)	6.1 ± 0.4 (17)	6.2 ± 0.5 (18)
58hc_nox	1990	9.3 ± 0.5 (17)	7.6 ± 0.5 (17)	7.6 ± 0.7 (17)	7.1 ± 0.6 (17)	7.5 ± 0.5 (17)	6.7 ± 0.5 (17)	9.5 ± 0.9 (18)
58hc_nox	1991	10.6 ± 1.4 (18)	9.2 ± 1.7 (18)	7.0 ± 0.6 (17)	8.6 ± 1.1 (17)	8.7 ± 1.1 (17)	7.9 ± 1.0 (17)	9.2 ± 1.1 (18)
58hc_nox	1992	11.1 ± 1.0 (17)	7.0 ± 0.4 (18)	7.7 ± 0.5 (17)	7.6 ± 0.6 (18)	7.8 ± 0.8 (17)	7.9 ± 0.6 (16)	9.1 ± 0.7 (17)
58hc_nox	1993	9.0 ± 1.0 (17)	8.7 ± 0.6 (17)	8.4 ± 0.8 (18)	8.8 ± 1.0 (18)	9.2 ± 1.0 (18)	8.1 ± 0.7 (17)	10.5 ± 1.0 (17)
58hc_nox	1994	9.2 ± 0.8 (17)	7.6 ± 0.6 (17)	7.1 ± 0.8 (17)	7.1 ± 0.7 (18)	6.4 ± 0.6 (18)	6.1 ± 0.6 (18)	7.1 ± 0.4 (17)
58hc_nox	1995	6.8 ± 0.5 (17)	5.7 ± 0.4 (17)	5.4 ± 0.6 (17)	6.0 ± 0.8 (17)	6.1 ± 0.7 (18)	5.0 ± 0.3 (18)	6.5 ± 0.6 (18)
58hc_nox	1996	5.2 ± 0.7 (17)	5.1 ± 0.5 (17)	5.1 ± 0.6 (17)	5.0 ± 0.6 (17)	4.5 ± 0.4 (16)	5.3 ± 0.5 (17)	4.9 ± 0.3 (18)
58hc_nox	1997	12.2 ± 1.7 (17)	9.6 ± 1.7 (17)	8.4 ± 0.9 (17)	7.4 ± 0.9 (16)	7.7 ± 0.9 (16)	8.9 ± 1.2 (16)	11.6 ± 1.5 (17)
58hc_nox	1998	11.4 ± 1.4 (14)	7.5 ± 0.7 (15)	7.3 ± 0.6 (16)	7.9 ± 0.8 (16)	7.9 ± 0.9 (16)	7.8 ± 1.0 (15)	9.1 ± 1.3 (15)
58hc_nox	81-84	6.9 ± 0.4 (67)	6.8 ± 0.3 (67)	6.3 ± 0.3 (64)	6.6 ± 0.3 (70)	6.3 ± 0.2 (67)	7.5 ± 1.1 (66)	7.1 ± 0.3 (68)
58hc_nox	84-89	7.1 ± 0.3 (87)	6.1 ± 0.2 (85)	6.3 ± 0.3 (84)	6.1 ± 0.2 (86)	6.2 ± 0.2 (85)	5.8 ± 0.2 (85)	6.6 ± 0.3 (85)
58hc_nox	90-94	9.9 ± 0.5 (86)	8.0 ± 0.4 (87)	7.6 ± 0.3 (86)	7.9 ± 0.4 (88)	7.9 ± 0.4 (87)	7.3 ± 0.3 (85)	9.1 ± 0.4 (87)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameter by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
58hc_nox	95-98	8.8 ± 0.7 (65)	7.0 ± 0.5 (66)	6.5 ± 0.4 (67)	6.6 ± 0.4 (66)	6.5 ± 0.4 (66)	6.7 ± 0.4 (66)	7.9 ± 0.6 (68)
maxo3hc_nox	1981	11.1 ± 1.0 (17)	8.8 ± 0.7 (17)	8.0 ± 0.6 (18)	8.1 ± 0.7 (18)	8.2 ± 0.9 (17)	8.9 ± 0.8 (17)	9.6 ± 0.8 (16)
maxo3hc_nox	1982	6.9 ± 0.7 (17)	7.1 ± 0.6 (17)	7.7 ± 0.8 (18)	7.0 ± 0.7 (18)	6.5 ± 0.5 (17)	7.4 ± 0.7 (17)	8.3 ± 0.7 (17)
maxo3hc_nox	1983	10.3 ± 0.8 (16)	8.7 ± 0.3 (16)	8.8 ± 0.3 (17)	10.2 ± 0.7 (18)	8.4 ± 0.5 (18)	9.1 ± 0.5 (17)	10.3 ± 0.9 (17)
maxo3hc_nox	1984	9.0 ± 1.3 (17)	8.2 ± 0.8 (16)	11.4 ± 1.9 (16)	9.2 ± 0.7 (15)	8.3 ± 0.7 (16)	10.0 ± 0.6 (17)	10.6 ± 0.9 (17)
maxo3hc_nox	1985	9.1 ± 0.9 (18)	7.4 ± 0.7 (18)	6.4 ± 0.7 (17)	7.3 ± 0.6 (17)	7.3 ± 0.7 (17)	7.7 ± 0.6 (17)	9.5 ± 0.7 (18)
maxo3hc_nox	1986	10.8 ± 0.7 (18)	8.8 ± 0.6 (18)	8.0 ± 0.4 (18)	8.3 ± 0.6 (16)	7.9 ± 0.6 (16)	9.5 ± 1.0 (17)	12.0 ± 0.9 (17)
maxo3hc_nox	1987	11.1 ± 0.8 (17)	8.4 ± 0.5 (16)	8.2 ± 0.6 (17)	8.4 ± 0.4 (18)	7.1 ± 0.4 (15)	8.3 ± 0.7 (17)	9.9 ± 0.8 (17)
maxo3hc_nox	1988	7.2 ± 0.9 (17)	6.8 ± 0.5 (17)	6.1 ± 0.5 (17)	6.9 ± 0.6 (16)	6.6 ± 0.6 (16)	6.8 ± 0.6 (18)	6.7 ± 0.9 (17)
maxo3hc_nox	1989	10.0 ± 0.7 (17)	7.7 ± 0.7 (17)	7.7 ± 0.9 (15)	7.4 ± 0.7 (17)	7.7 ± 0.4 (18)	7.8 ± 0.5 (17)	8.5 ± 0.6 (18)
maxo3hc_nox	1990	15.9 ± 1.0 (18)	11.6 ± 0.8 (17)	10.1 ± 0.5 (17)	11.1 ± 1.0 (17)	11.6 ± 0.7 (17)	11.7 ± 0.6 (18)	17.0 ± 1.6 (18)
maxo3hc_nox	1991	14.8 ± 1.0 (18)	9.2 ± 0.7 (18)	10.0 ± 0.5 (17)	9.7 ± 0.8 (17)	9.9 ± 1.0 (16)	10.1 ± 0.7 (17)	13.7 ± 1.0 (18)
maxo3hc_nox	1992	14.2 ± 1.1 (17)	9.5 ± 0.8 (18)	10.7 ± 0.5 (17)	11.8 ± 0.7 (18)	10.8 ± 0.6 (17)	9.5 ± 0.4 (15)	14.0 ± 0.9 (17)
maxo3hc_nox	1993	11.7 ± 1.2 (17)	10.0 ± 0.8 (17)	10.3 ± 0.8 (17)	11.1 ± 0.9 (18)	10.6 ± 0.6 (18)	10.6 ± 0.6 (17)	12.2 ± 1.2 (17)
maxo3hc_nox	1994	13.8 ± 1.1 (17)	10.2 ± 0.7 (17)	10.0 ± 0.6 (17)	9.2 ± 0.6 (18)	9.6 ± 0.8 (18)	9.5 ± 0.7 (18)	12.4 ± 0.8 (17)
maxo3hc_nox	1995	11.9 ± 0.9 (17)	8.6 ± 0.7 (17)	8.6 ± 0.6 (17)	8.7 ± 0.7 (17)	9.2 ± 1.1 (18)	8.3 ± 0.5 (18)	10.7 ± 0.5 (18)
maxo3hc_nox	1996	6.9 ± 0.6 (18)	5.7 ± 0.4 (18)	5.6 ± 0.4 (17)	5.8 ± 0.2 (17)	6.1 ± 0.3 (17)	5.9 ± 0.3 (17)	6.8 ± 0.6 (18)
maxo3hc_nox	1997	15.1 ± 1.8 (17)	10.1 ± 0.9 (16)	8.6 ± 0.9 (15)	9.2 ± 0.9 (17)	9.7 ± 1.0 (15)	9.9 ± 1.0 (16)	13.4 ± 1.3 (17)
maxo3hc_nox	1998	15.7 ± 1.1 (14)	9.9 ± 0.7 (15)	9.8 ± 0.6 (16)	9.9 ± 0.6 (17)	10.0 ± 0.7 (17)	9.7 ± 0.6 (15)	13.1 ± 1.0 (15)
maxo3hc_nox	81-84	9.3 ± 0.5 (67)	8.2 ± 0.3 (66)	8.9 ± 0.5 (69)	8.6 ± 0.4 (69)	7.8 ± 0.4 (68)	8.9 ± 0.3 (68)	9.7 ± 0.4 (67)
maxo3hc_nox	84-89	9.7 ± 0.4 (87)	7.8 ± 0.3 (86)	7.3 ± 0.3 (84)	7.7 ± 0.3 (84)	7.3 ± 0.2 (82)	8.0 ± 0.3 (86)	9.3 ± 0.4 (87)
maxo3hc_nox	90-94	14.1 ± 0.5 (87)	10.1 ± 0.3 (87)	10.2 ± 0.3 (85)	10.6 ± 0.4 (88)	10.5 ± 0.3 (86)	10.3 ± 0.3 (85)	13.9 ± 0.5 (87)
maxo3hc_nox	95-98	12.2 ± 0.7 (66)	8.5 ± 0.4 (66)	8.1 ± 0.4 (65)	8.4 ± 0.4 (68)	8.7 ± 0.5 (67)	8.4 ± 0.4 (66)	10.9 ± 0.5 (68)
t <sub>no</sub> =o <sub>3</sub>	1981	7.2 ± 0.2 (16)	7.9 ± 0.3 (13)	8.5 ± 0.2 (8)	8.4 ± 0.2 (12)	7.8 ± 0.3 (13)	8.2 ± 0.1 (12)	7.5 ± 0.2 (16)
t <sub>no</sub> =o <sub>3</sub>	1982	7.7 ± 0.2 (16)	8.2 ± 0.3 (11)	8.6 ± 0.5 (7)	8.6 ± 0.4 (11)	8.3 ± 0.3 (12)	8.4 ± 0.2 (14)	8.0 ± 0.3 (15)
t <sub>no</sub> =o <sub>3</sub>	1983	6.7 ± 0.3 (12)	8.5 ± 0.4 (13)	7.7 ± 0.4 (8)	8.3 ± 0.2 (14)	8.5 ± 0.3 (16)	8.4 ± 0.3 (15)	7.8 ± 0.2 (11)
t <sub>no</sub> =o <sub>3</sub>	1984	7.9 ± 0.4 (13)	8.2 ± 0.2 (12)	8.1 ± 0.3 (8)	8.5 ± 0.3 (15)	8.3 ± 0.2 (12)	8.4 ± 0.3 (14)	7.5 ± 0.2 (16)
t <sub>no</sub> =o <sub>3</sub>	1985	6.8 ± 0.2 (17)	7.7 ± 0.3 (13)	8.0 ± 0.3 (9)	8.2 ± 0.3 (16)	8.2 ± 0.2 (15)	8.0 ± 0.3 (17)	7.3 ± 0.2 (18)
t <sub>no</sub> =o <sub>3</sub>	1986	7.0 ± 0.2 (11)	8.1 ± 0.1 (15)	8.4 ± 0.4 (9)	8.4 ± 0.2 (10)	8.6 ± 0.2 (14)	7.9 ± 0.2 (15)	7.6 ± 0.2 (16)
t <sub>no</sub> =o <sub>3</sub>	1987	6.9 ± 0.2 (11)	8.4 ± 0.2 (11)	8.0 ± 0.3 (7)	7.9 ± 0.3 (15)	8.2 ± 0.4 (13)	8.6 ± 0.4 (15)	7.6 ± 0.4 (11)
t <sub>no</sub> =o <sub>3</sub>	1988	7.1 ± 0.3 (10)	8.5 ± 0.2 (13)	9.0 ± 0.3 (9)	8.3 ± 0.2 (13)	8.7 ± 0.2 (10)	8.6 ± 0.3 (15)	7.7 ± 0.2 (12)
t <sub>no</sub> =o <sub>3</sub>	1989	7.1 ± 0.2 (13)	8.0 ± 0.4 (13)	8.1 ± 0.4 (13)	8.7 ± 0.3 (11)	8.6 ± 0.2 (15)	8.3 ± 0.4 (13)	7.9 ± 0.2 (15)
t <sub>no</sub> =o <sub>3</sub>	1990	6.9 ± 0.2 (15)	8.3 ± 0.2 (13)	8.5 ± 0.4 (16)	8.1 ± 0.2 (14)	8.3 ± 0.3 (14)	8.0 ± 0.3 (15)	7.4 ± 0.2 (16)
t <sub>no</sub> =o <sub>3</sub>	1991	7.3 ± 0.3 (15)	8.9 ± 0.4 (13)	8.7 ± 0.2 (14)	8.9 ± 0.3 (16)	9.2 ± 0.3 (15)	9.3 ± 0.2 (15)	7.8 ± 0.4 (13)
t <sub>no</sub> =o <sub>3</sub>	1992	6.8 ± 0.2 (12)	8.3 ± 0.4 (15)	8.5 ± 0.2 (17)	8.7 ± 0.2 (16)	8.2 ± 0.3 (16)	8.5 ± 0.3 (13)	7.8 ± 0.4 (11)
t <sub>no</sub> =o <sub>3</sub>	1993	6.9 ± 0.4 (8)	7.7 ± 0.5 (12)	8.6 ± 0.2 (14)	8.5 ± 0.2 (14)	8.3 ± 0.3 (12)	8.5 ± 0.2 (12)	7.5 ± 0.4 (8)
t <sub>no</sub> =o <sub>3</sub>	1994	6.9 ± 0.3 (8)	8.3 ± 0.4 (15)	8.5 ± 0.2 (15)	8.7 ± 0.3 (16)	8.9 ± 0.2 (16)	9.0 ± 0.2 (16)	7.7 ± 0.2 (16)
t <sub>no</sub> =o <sub>3</sub>	1995	7.5 ± 0.3 (15)	8.5 ± 0.3 (17)	8.9 ± 0.3 (14)	8.7 ± 0.1 (15)	8.5 ± 0.3 (16)	9.1 ± 0.1 (17)	8.0 ± 0.3 (14)
t <sub>no</sub> =o <sub>3</sub>	1996	6.9 ± 0.3 (13)	8.3 ± 0.3 (12)	8.6 ± 0.3 (12)	9.0 ± 0.3 (9)	8.7 ± 0.2 (15)	8.6 ± 0.3 (13)	7.8 ± 0.2 (16)
t <sub>no</sub> =o <sub>3</sub>	1997	6.7 ± 0.4 (10)	8.0 ± 0.4 (12)	8.7 ± 0.5 (9)	8.7 ± 0.2 (14)	8.9 ± 0.3 (13)	7.9 ± 0.5 (7)	8.3 ± 0.3 (8)
t <sub>no</sub> =o <sub>3</sub>	1998	7.2 ± 0.3 (7)	9.5 ± 0.4 (13)	8.9 ± 0.3 (7)	8.6 ± 0.4 (12)	9.3 ± 0.1 (12)	8.9 ± 0.4 (13)	8.0 ± 0.3 (14)
t <sub>no</sub> =o <sub>3</sub>	81-84	7.4 ± 0.1 (57)	8.2 ± 0.1 (49)	8.2 ± 0.2 (31)	8.4 ± 0.1 (52)	8.3 ± 0.1 (53)	8.4 ± 0.1 (55)	7.7 ± 0.1 (58)
t <sub>no</sub> =o <sub>3</sub>	84-89	7.0 ± 0.1 (62)	8.2 ± 0.1 (65)	8.3 ± 0.2 (47)	8.3 ± 0.1 (65)	8.4 ± 0.1 (67)	8.3 ± 0.1 (75)	7.6 ± 0.1 (72)
t <sub>no</sub> =o <sub>3</sub>	90-94	7.0 ± 0.1 (58)	8.3 ± 0.2 (68)	8.5 ± 0.1 (76)	8.6 ± 0.1 (76)	8.6 ± 0.1 (73)	8.7 ± 0.1 (71)	7.7 ± 0.1 (64)
t <sub>no</sub> =o <sub>3</sub>	95-98	7.1 ± 0.2 (45)	8.6 ± 0.2 (54)	8.8 ± 0.2 (42)	8.7 ± 0.1 (50)	8.8 ± 0.1 (56)	8.8 ± 0.2 (50)	8.0 ± 0.1 (52)
to3max	1981	13.1 ± 0.3 (17)	13.0 ± 0.3 (18)	13.1 ± 0.3 (18)	12.9 ± 0.3 (18)	12.9 ± 0.3 (17)	13.1 ± 0.3 (17)	12.6 ± 0.2 (17)
to3max	1982	12.6 ± 0.8 (17)	13.2 ± 0.3 (17)	13.7 ± 0.2 (18)	12.6 ± 0.7 (18)	12.7 ± 0.7 (18)	13.2 ± 0.5 (17)	13.4 ± 0.2 (17)
to3max	1983	13.8 ± 0.3 (16)	13.8 ± 0.2 (17)	13.6 ± 0.3 (17)	13.1 ± 0.3 (18)	12.6 ± 0.8 (18)	12.9 ± 0.7 (18)	13.1 ± 0.9 (17)
to3max	1984	13.4 ± 0.4 (18)	13.2 ± 0.2 (17)	12.2 ± 0.6 (17)	12.9 ± 0.3 (17)	12.8 ± 0.2 (17)	13.0 ± 0.3 (18)	12.6 ± 0.3 (18)
to3max	1985	13.2 ± 0.2 (18)	13.2 ± 0.3 (18)	12.8 ± 0.3 (17)	12.4 ± 0.8 (17)	12.9 ± 0.3 (17)	13.1 ± 0.2 (17)	13.2 ± 0.2 (18)
to3max	1986	13.5 ± 0.2 (18)	13.3 ± 0.2 (18)	12.8 ± 0.2 (18)	13.0 ± 0.2 (16)	13.3 ± 0.3 (17)	13.2 ± 0.3 (17)	13.4 ± 0.2 (17)
to3max	1987	13.6 ± 0.2 (17)	13.7 ± 0.3 (18)	13.2 ± 0.1 (18)	12.9 ± 0.2 (18)	12.9 ± 0.3 (17)	12.9 ± 0.3 (17)	12.8 ± 0.6 (17)
to3max	1988	13.5 ± 0.3 (17)	13.0 ± 0.4 (17)	12.4 ± 0.6 (17)	13.1 ± 0.3 (18)	13.2 ± 0.2 (18)	13.2 ± 0.2 (18)	13.5 ± 0.2 (17)
to3max	1989	13.1 ± 0.2 (17)	13.3 ± 0.2 (17)	12.9 ± 0.3 (17)	13.4 ± 0.4 (17)	13.5 ± 0.3 (18)	13.5 ± 0.3 (18)	13.5 ± 0.2 (18)
to3max	1990	13.2 ± 0.3 (18)	13.4 ± 0.3 (17)	12.8 ± 0.2 (17)	12.4 ± 0.7 (17)	13.1 ± 0.3 (17)	12.6 ± 0.5 (18)	13.1 ± 0.3 (18)
to3max	1991	13.6 ± 0.2 (18)	13.3 ± 0.3 (18)	13.5 ± 0.2 (17)	13.5 ± 0.3 (17)	14.0 ± 0.2 (17)	14.1 ± 0.3 (17)	13.7 ± 0.2 (18)
to3max	1992	12.5 ± 0.3 (17)	13.3 ± 0.3 (18)	13.1 ± 0.2 (18)	13.2 ± 0.2 (18)	13.4 ± 0.2 (17)	13.3 ± 0.3 (17)	12.8 ± 0.8 (17)
to3max	1993	13.4 ± 0.2 (17)	13.0 ± 0.2 (16)	13.2 ± 0.2 (18)	13.3 ± 0.2 (18)	13.3 ± 0.2 (18)	13.2 ± 0.2 (17)	13.0 ± 0.7 (17)
to3max	1994	13.5 ± 0.2 (17)	13.5 ± 0.2 (17)	13.5 ± 0.2 (17)	13.5 ± 0.2 (18)	13.4 ± 0.2 (18)	13.6 ± 0.3 (18)	13.6 ± 0.1 (17)
to3max	1995	13.4 ± 0.3 (17)	13.8 ± 0.2 (17)	13.4 ± 0.3 (17)	13.5 ± 0.2 (17)	13.2 ± 0.7 (18)	13.7 ± 0.2 (18)	13.6 ± 0.2 (18)
to3max	1996	13.6 ± 0.2 (18)	13.6 ± 0.3 (18)	13.4 ± 0.3 (17)	13.8 ± 0.3 (17)	12.9 ± 0.2 (17)	13.6 ± 0.2 (17)	13.6 ± 0.2 (18)
to3max	1997	13.5 ± 0.2 (18)	13.7 ± 0.3 (18)	14.0 ± 0.4 (18)	12.4 ± 0.6 (17)	12.4 ± 1.1 (17)	13.6 ± 0.3 (17)	14.1 ± 0.2 (17)
to3max	1998	13.5 ± 0.3 (16)	12.9 ± 0.7 (17)	13.9 ± 0.3 (16)	13.4 ± 0.2 (18)	13.4 ± 0.4 (17)	14.2 ± 0.3 (16)	13.5 ± 0.3 (16)
to3max	81-84	13.2 ± 0.3 (68)	13.3 ± 0.1 (69)	13.2 ± 0.2 (70)	12.9 ± 0.2 (71)	12.7 ± 0.3 (70)	13.1 ± 0.2 (70)	12.9 ± 0.2 (69)
to3max	84-89	13.4 ± 0.1 (87)	13.3 ± 0.1 (88)	12.8 ± 0.2 (87)	13.0 ± 0.2 (86)	13.2 ± 0.1 (87)	13.2 ± 0.1 (87)	13.3 ± 0.2 (87)
to3max	90-94	13.2 ± 0.1 (87)	13.3 ± 0.1 (86)	13.2 ± 0.1 (87)	13.2 ± 0.2 (88)	13.4 ± 0.1 (87)	13.3 ± 0.1 (87)	13.2 ± 0.2 (87)
to3max	95-98	13.5 ± 0.1 (69)	13.5 ± 0.2 (70)	13.7 ± 0.2 (68)	13.3 ± 0.2 (69)	13.0 ± 0.3 (69)	13.8 ± 0.1 (68)	13.7 ± 0.1 (69)
to3acc	1981	5.9 ± 0.3 (16)	5.1 ± 0.3 (13)	4.1 ± 0.3 (8)	4.5 ± 0.5 (12)	4.8 ± 0.4 (13)	4.9 ± 0.4 (12)	5.3 ± 0.4 (16)
to3acc	1982	4.8 ± 1.0 (16)	5.0 ± 0.5 (11)	5.0 ± 0.6 (7)	3.8 ± 1.0 (11)	4.8 ± 0.3 (12)	5.0 ± 0.5 (14)	5.4 ± 0.4 (15)
to3acc	1983	6.6 ± 0.4 (12)	5.3 ± 0.3 (13)	5.9 ± 0.6 (8)	4.7 ± 0.3 (14)	4.9 ± 0.6 (16)	4.4 ± 0.9 (15)	5.9 ± 0.5 (11)
to3acc	1984	5.5 ± 0.6 (13)	4.8 ± 0.2 (12)	4.9 ± 0.4 (8)	4.4 ± 0.4 (15)	4.4 ± 0.3 (12)	4.6 ± 0.3 (14)	5.0 ± 0.3 (16)
to3acc	1985	6.3 ± 0.3 (17)	5.4 ± 0.4 (13)	4.6 ± 0.5 (9)	4.2 ± 1.0 (16)	4.7 ± 0.4 (15)	5.1 ± 0.3 (17)	5.8 ± 0.2 (18)
to3acc	1986	6.6 ± 0.3 (11)	4.9 ± 0.2 (15)	4.4 ± 0.3 (9)	4.5 ± 0.2 (10)	4.5 ± 0.4 (14)	5.2 ± 0.3 (15)	5.8 ± 0.3 (16)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameter by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
to3acc	1987	6.5 ± 0.3 (11)	5.4 ± 0.3 (11)	5.3 ± 0.3 (7)	5.0 ± 0.4 (15)	4.6 ± 0.6 (13)	4.3 ± 0.4 (15)	5.4 ± 0.5 (11)
to3acc	1988	6.4 ± 0.4 (10)	4.7 ± 0.4 (13)	3.9 ± 0.2 (9)	5.1 ± 0.4 (13)	4.1 ± 0.2 (10)	4.6 ± 0.4 (15)	5.6 ± 0.3 (12)
to3acc	1989	5.8 ± 0.3 (13)	5.0 ± 0.5 (13)	4.5 ± 0.5 (13)	5.0 ± 0.5 (11)	4.9 ± 0.3 (15)	5.3 ± 0.6 (13)	5.4 ± 0.3 (15)
to3acc	1990	6.1 ± 0.2 (15)	5.1 ± 0.4 (13)	4.3 ± 0.3 (16)	4.9 ± 0.5 (14)	5.0 ± 0.3 (14)	4.4 ± 0.4 (15)	5.7 ± 0.4 (16)
to3acc	1991	6.3 ± 0.5 (15)	4.5 ± 0.5 (13)	4.7 ± 0.4 (14)	4.6 ± 0.3 (16)	4.7 ± 0.4 (15)	5.0 ± 0.3 (15)	5.7 ± 0.5 (13)
to3acc	1992	5.9 ± 0.4 (12)	5.2 ± 0.4 (15)	4.6 ± 0.4 (17)	4.4 ± 0.3 (16)	5.2 ± 0.4 (16)	4.4 ± 0.4 (13)	5.8 ± 0.3 (11)
to3acc	1993	6.6 ± 0.4 (8)	5.4 ± 0.4 (12)	4.6 ± 0.3 (14)	4.8 ± 0.3 (14)	4.8 ± 0.5 (12)	4.4 ± 0.3 (12)	6.0 ± 0.5 (8)
to3acc	1994	6.4 ± 0.5 (8)	5.1 ± 0.4 (15)	4.9 ± 0.2 (15)	4.7 ± 0.3 (16)	4.5 ± 0.3 (16)	4.4 ± 0.3 (16)	5.9 ± 0.3 (16)
to3acc	1995	5.9 ± 0.3 (15)	5.3 ± 0.4 (17)	4.5 ± 0.3 (14)	4.8 ± 0.3 (15)	5.2 ± 0.5 (16)	4.5 ± 0.2 (17)	5.4 ± 0.3 (14)
to3acc	1996	6.4 ± 0.5 (13)	5.1 ± 0.6 (12)	5.1 ± 0.4 (12)	4.8 ± 0.5 (9)	4.2 ± 0.2 (15)	4.9 ± 0.3 (13)	5.7 ± 0.3 (16)
to3acc	1997	6.5 ± 0.5 (10)	5.6 ± 0.4 (12)	5.0 ± 0.9 (9)	3.5 ± 0.7 (14)	3.7 ± 1.3 (13)	5.1 ± 0.5 (7)	5.7 ± 0.4 (8)
to3acc	1998	5.8 ± 0.3 (7)	4.2 ± 0.3 (13)	4.7 ± 0.6 (7)	4.5 ± 0.5 (12)	4.7 ± 0.3 (12)	5.1 ± 0.4 (13)	5.4 ± 0.4 (14)
to3acc	81-84	5.6 ± 0.3 (57)	5.1 ± 0.2 (49)	5.0 ± 0.2 (31)	4.4 ± 0.3 (52)	4.8 ± 0.2 (53)	4.7 ± 0.3 (55)	5.3 ± 0.2 (58)
to3acc	84-89	6.3 ± 0.1 (62)	5.1 ± 0.2 (65)	4.5 ± 0.2 (47)	4.7 ± 0.3 (65)	4.6 ± 0.2 (67)	4.9 ± 0.2 (75)	5.6 ± 0.1 (72)
to3acc	90-94	6.2 ± 0.2 (58)	5.1 ± 0.2 (68)	4.6 ± 0.1 (76)	4.6 ± 0.2 (76)	4.8 ± 0.2 (73)	4.5 ± 0.2 (71)	5.8 ± 0.2 (64)
to3acc	95-98	6.2 ± 0.2 (45)	5.1 ± 0.2 (54)	4.8 ± 0.3 (42)	4.4 ± 0.3 (50)	4.5 ± 0.4 (56)	4.8 ± 0.2 (50)	5.5 ± 0.2 (52)
o3rate	1981	28.7 ± 1.8 (16)	28.8 ± 3.2 (13)	35.0 ± 3.9 (8)	25.2 ± 3.1 (12)	36.8 ± 2.8 (13)	38.5 ± 5.1 (12)	32.7 ± 2.8 (16)
o3rate	1982	22.8 ± 2.8 (16)	24.2 ± 4.5 (11)	24.4 ± 8.9 (7)	24.0 ± 5.8 (11)	33.4 ± 3.9 (12)	26.4 ± 4.1 (14)	26.5 ± 3.5 (15)
o3rate	1983	29.2 ± 3.9 (12)	30.9 ± 4.3 (13)	25.6 ± 5.2 (8)	33.9 ± 4.6 (14)	27.5 ± 4.0 (16)	32.8 ± 4.6 (15)	35.5 ± 4.8 (11)
o3rate	1984	24.1 ± 3.3 (13)	29.8 ± 3.7 (12)	33.1 ± 4.0 (8)	31.8 ± 4.1 (15)	36.5 ± 4.7 (12)	33.7 ± 5.0 (14)	27.6 ± 2.5 (16)
o3rate	1985	22.9 ± 2.2 (17)	23.7 ± 4.5 (13)	30.1 ± 4.7 (9)	27.1 ± 3.6 (16)	28.9 ± 3.4 (15)	28.3 ± 3.7 (17)	28.1 ± 2.9 (18)
o3rate	1986	23.9 ± 2.7 (11)	24.7 ± 2.2 (15)	28.1 ± 4.6 (9)	30.8 ± 2.8 (10)	29.9 ± 4.4 (14)	26.4 ± 4.0 (15)	25.8 ± 2.7 (16)
o3rate	1987	24.7 ± 2.6 (11)	21.6 ± 2.6 (11)	27.4 ± 3.6 (7)	26.2 ± 3.2 (15)	22.7 ± 3.4 (13)	28.4 ± 2.6 (15)	28.6 ± 3.9 (11)
o3rate	1988	23.7 ± 2.6 (10)	23.5 ± 2.4 (13)	37.2 ± 3.7 (9)	25.1 ± 2.2 (13)	28.3 ± 2.9 (10)	30.9 ± 2.9 (15)	27.0 ± 3.5 (12)
o3rate	1989	23.9 ± 2.3 (13)	24.5 ± 2.8 (13)	28.1 ± 3.3 (13)	29.4 ± 4.5 (11)	25.7 ± 3.7 (15)	27.0 ± 3.2 (13)	24.1 ± 2.5 (15)
o3rate	1990	21.3 ± 1.9 (15)	25.6 ± 3.5 (13)	23.5 ± 2.6 (16)	21.3 ± 3.2 (14)	21.8 ± 1.8 (14)	26.5 ± 3.0 (15)	22.4 ± 2.5 (16)
o3rate	1991	22.2 ± 1.9 (15)	23.5 ± 3.1 (13)	22.7 ± 3.5 (14)	19.2 ± 2.3 (16)	23.0 ± 3.0 (15)	24.6 ± 3.9 (15)	22.8 ± 2.4 (13)
o3rate	1992	24.3 ± 2.3 (12)	19.7 ± 2.9 (15)	20.5 ± 2.5 (17)	22.3 ± 2.7 (16)	24.4 ± 3.3 (16)	20.8 ± 2.2 (13)	25.1 ± 3.0 (11)
o3rate	1993	22.4 ± 3.0 (8)	18.8 ± 3.0 (12)	23.1 ± 2.8 (14)	22.5 ± 2.2 (14)	21.2 ± 3.2 (12)	26.9 ± 4.2 (12)	24.5 ± 3.5 (8)
o3rate	1994	21.9 ± 2.0 (8)	18.9 ± 1.6 (15)	20.8 ± 1.8 (15)	22.9 ± 2.6 (16)	22.8 ± 2.4 (16)	23.5 ± 2.6 (16)	21.9 ± 1.4 (16)
o3rate	1995	20.8 ± 1.7 (15)	16.6 ± 1.7 (17)	20.6 ± 2.3 (14)	21.1 ± 2.4 (15)	20.1 ± 3.3 (16)	20.7 ± 2.9 (17)	25.6 ± 2.1 (14)
o3rate	1996	17.5 ± 2.2 (13)	15.4 ± 1.8 (12)	13.7 ± 1.8 (12)	16.4 ± 1.3 (9)	16.9 ± 1.8 (15)	15.4 ± 2.4 (13)	17.5 ± 2.0 (16)
o3rate	1997	14.2 ± 1.3 (10)	11.1 ± 1.2 (12)	12.0 ± 2.0 (9)	15.0 ± 2.3 (14)	13.2 ± 1.7 (13)	11.4 ± 1.8 (7)	16.1 ± 1.9 (8)
o3rate	1998	22.3 ± 2.2 (7)	13.3 ± 2.3 (13)	15.1 ± 3.1 (7)	15.5 ± 2.4 (12)	14.7 ± 2.5 (12)	12.0 ± 2.3 (13)	16.8 ± 2.3 (14)
o3rate	81-84	26.1 ± 1.5 (57)	28.6 ± 1.9 (49)	29.7 ± 2.8 (31)	29.2 ± 2.2 (52)	33.2 ± 2.0 (53)	32.7 ± 2.3 (55)	30.2 ± 1.7 (58)
o3rate	84-89	23.7 ± 1.1 (62)	23.7 ± 1.3 (65)	30.1 ± 1.8 (47)	27.4 ± 1.5 (65)	27.1 ± 1.6 (67)	28.2 ± 1.5 (75)	26.7 ± 1.3 (72)
o3rate	90-94	22.4 ± 1.0 (58)	21.2 ± 1.3 (68)	22.1 ± 1.2 (76)	21.6 ± 1.1 (76)	22.7 ± 1.2 (73)	24.4 ± 1.4 (71)	23.1 ± 1.1 (64)
o3rate	95-98	18.6 ± 1.0 (45)	14.3 ± 0.9 (54)	15.9 ± 1.2 (42)	17.2 ± 1.2 (50)	16.5 ± 1.3 (56)	15.8 ± 1.4 (50)	19.3 ± 1.2 (52)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
o3max	1981	160 ± 13 (16)	141 ± 11 (18)	149 ± 15 (18)	154 ± 14 (18)	192 ± 18 (17)	175 ± 13 (17)	164 ± 16 (17)
o3max	1982	136 ± 14 (17)	124 ± 17 (17)	146 ± 20 (18)	130 ± 21 (18)	138 ± 18 (18)	124 ± 15 (17)	142 ± 14 (17)
o3max	1983	165 ± 15 (17)	163 ± 19 (17)	162 ± 20 (17)	156 ± 17 (18)	140 ± 18 (18)	157 ± 19 (18)	154 ± 18 (17)
o3max	1984	123 ± 15 (18)	141 ± 14 (17)	146 ± 18 (17)	153 ± 17 (17)	150 ± 14 (17)	148 ± 16 (18)	128 ± 11 (18)
o3max	1985	142 ± 13 (18)	118 ± 15 (18)	125 ± 12 (17)	142 ± 19 (17)	144 ± 18 (17)	148 ± 17 (17)	164 ± 15 (18)
o3max	1986	141 ± 13 (18)	126 ± 10 (18)	134 ± 14 (18)	133 ± 12 (17)	139 ± 17 (17)	142 ± 16 (17)	142 ± 13 (17)
o3max	1987	133 ± 11 (17)	119 ± 10 (18)	129 ± 11 (18)	134 ± 14 (18)	114 ± 12 (17)	111 ± 13 (17)	129 ± 12 (17)
o3max	1988	122 ± 10 (17)	110 ± 10 (17)	137 ± 11 (17)	123 ± 11 (18)	146 ± 10 (18)	147 ± 14 (18)	142 ± 13 (17)
o3max	1989	135 ± 13 (17)	115 ± 12 (17)	122 ± 11 (17)	124 ± 14 (17)	113 ± 9 (18)	104 ± 6 (18)	114 ± 12 (18)
o3max	1990	122 ± 12 (18)	125 ± 13 (17)	119 ± 14 (17)	98 ± 11 (17)	111 ± 12 (17)	112 ± 13 (18)	122 ± 12 (18)
o3max	1991	144 ± 10 (18)	99 ± 10 (18)	105 ± 12 (17)	99 ± 10 (17)	111 ± 12 (17)	116 ± 14 (17)	126 ± 10 (18)
o3max	1992	127 ± 14 (17)	104 ± 11 (18)	96 ± 8 (18)	104 ± 10 (18)	110 ± 10 (17)	94 ± 10 (17)	128 ± 15 (17)
o3max	1993	123 ± 11 (17)	95 ± 9 (17)	107 ± 8 (18)	108 ± 7 (18)	113 ± 10 (18)	116 ± 12 (17)	128 ± 12 (17)
o3max	1994	127 ± 8 (17)	101 ± 9 (17)	105 ± 8 (17)	106 ± 8 (18)	115 ± 9 (18)	115 ± 9 (18)	134 ± 9 (17)
o3max	1995	131 ± 7 (17)	103 ± 7 (17)	106 ± 8 (17)	102 ± 9 (17)	89 ± 9 (18)	99 ± 9 (18)	131 ± 11 (18)
o3max	1996	100 ± 8 (18)	75 ± 6 (18)	74 ± 5 (17)	73 ± 7 (17)	77 ± 8 (17)	79 ± 8 (17)	101 ± 8 (18)
o3max	1997	88 ± 7 (18)	60 ± 5 (18)	60 ± 6 (18)	71 ± 5 (17)	64 ± 8 (17)	59 ± 7 (17)	76 ± 7 (17)
o3max	1998	109 ± 12 (17)	71 ± 6 (18)	73 ± 9 (18)	66 ± 7 (18)	71 ± 8 (17)	72 ± 8 (17)	98 ± 10 (17)
o3max	81-84	145 ± 7 (68)	142 ± 8 (69)	151 ± 9 (70)	148 ± 9 (71)	154 ± 9 (70)	151 ± 8 (70)	147 ± 7 (69)
o3max	84-89	135 ± 5 (87)	118 ± 5 (88)	130 ± 5 (87)	131 ± 6 (87)	131 ± 6 (87)	130 ± 6 (87)	138 ± 6 (87)
o3max	90-94	129 ± 5 (87)	105 ± 5 (87)	106 ± 5 (87)	103 ± 4 (88)	112 ± 5 (87)	111 ± 5 (87)	128 ± 5 (87)
o3max	95-98	107 ± 5 (70)	77 ± 4 (71)	78 ± 4 (70)	78 ± 4 (69)	76 ± 4 (69)	77 ± 4 (69)	102 ± 5 (70)
34no2	1981	53 ± 4 (15)	44 ± 3 (16)	46 ± 4 (18)	47 ± 4 (18)	54 ± 4 (17)	55 ± 5 (17)	52 ± 4 (17)
34no2	1982	46 ± 4 (16)	44 ± 4 (16)	47 ± 5 (18)	48 ± 5 (17)	52 ± 6 (17)	55 ± 5 (17)	52 ± 5 (16)
34no2	1983	48 ± 5 (17)	48 ± 5 (17)	54 ± 4 (17)	47 ± 4 (18)	44 ± 4 (18)	47 ± 5 (18)	54 ± 4 (17)
34no2	1984	40 ± 6 (18)	41 ± 5 (17)	44 ± 4 (17)	43 ± 5 (17)	47 ± 3 (17)	43 ± 4 (18)	48 ± 4 (18)
34no2	1985	49 ± 4 (18)	46 ± 5 (18)	48 ± 5 (17)	45 ± 4 (17)	49 ± 6 (17)	55 ± 5 (17)	59 ± 5 (18)
34no2	1986	43 ± 5 (18)	46 ± 3 (18)	44 ± 4 (18)	43 ± 4 (17)	48 ± 4 (16)	47 ± 5 (17)	52 ± 5 (17)
34no2	1987	48 ± 4 (17)	51 ± 4 (18)	51 ± 4 (17)	53 ± 4 (18)	47 ± 3 (17)	47 ± 5 (17)	47 ± 4 (17)
34no2	1988	41 ± 4 (17)	42 ± 4 (17)	46 ± 4 (17)	49 ± 4 (18)	49 ± 5 (18)	51 ± 3 (18)	48 ± 5 (17)
34no2	1989	45 ± 4 (17)	45 ± 4 (17)	49 ± 4 (17)	52 ± 3 (17)	53 ± 4 (18)	45 ± 4 (18)	49 ± 4 (18)
34no2	1990	46 ± 3 (18)	46 ± 4 (17)	50 ± 4 (16)	44 ± 5 (17)	46 ± 5 (17)	43 ± 4 (18)	47 ± 3 (18)
34no2	1991	44 ± 3 (18)	46 ± 3 (18)	49 ± 4 (17)	47 ± 3 (17)	44 ± 4 (17)	47 ± 4 (17)	48 ± 3 (18)
34no2	1992	43 ± 4 (17)	43 ± 4 (18)	46 ± 4 (18)	43 ± 4 (17)	46 ± 3 (17)	44 ± 5 (17)	43 ± 4 (17)
34no2	1993	37 ± 4 (17)	37 ± 3 (17)	41 ± 4 (18)	42 ± 4 (18)	44 ± 4 (18)	39 ± 5 (17)	42 ± 5 (17)
34no2	1994	40 ± 3 (16)	41 ± 3 (16)	46 ± 4 (16)	44 ± 4 (18)	44 ± 3 (18)	47 ± 4 (17)	44 ± 3 (16)
34no2	1995	42 ± 3 (16)	43 ± 3 (16)	41 ± 3 (16)	44 ± 3 (17)	41 ± 4 (18)	44 ± 4 (18)	45 ± 5 (17)
34no2	1996	35 ± 3 (18)	34 ± 3 (18)	37 ± 3 (17)	34 ± 3 (17)	38 ± 4 (17)	37 ± 4 (17)	42 ± 3 (18)
34no2	1997	34 ± 3 (18)	35 ± 2 (18)	38 ± 3 (17)	46 ± 4 (17)	35 ± 3 (17)	31 ± 4 (17)	31 ± 3 (17)
34no2	1998	42 ± 5 (17)	42 ± 3 (18)	41 ± 4 (18)	40 ± 3 (18)	38 ± 3 (17)	42 ± 3 (17)	43 ± 4 (17)
34no2	81-84	46 ± 3 (66)	44 ± 2 (66)	48 ± 2 (70)	46 ± 2 (70)	49 ± 2 (69)	50 ± 2 (70)	51 ± 2 (68)
34no2	84-89	45 ± 2 (87)	46 ± 2 (88)	47 ± 2 (86)	48 ± 2 (87)	49 ± 2 (86)	49 ± 2 (87)	51 ± 2 (87)
34no2	90-94	42 ± 2 (86)	43 ± 2 (86)	46 ± 2 (85)	44 ± 2 (87)	45 ± 2 (87)	44 ± 2 (86)	45 ± 2 (86)
34no2	95-98	38 ± 2 (69)	38 ± 1 (70)	39 ± 2 (68)	41 ± 2 (69)	38 ± 2 (69)	39 ± 2 (69)	40 ± 2 (69)
34no	1981	39 ± 7 (15)	38 ± 6 (18)	58 ± 8 (18)	36 ± 7 (18)	38 ± 6 (17)	49 ± 6 (17)	71 ± 11 (17)
34no	1982	37 ± 7 (17)	30 ± 8 (17)	40 ± 9 (18)	37 ± 7 (18)	40 ± 7 (17)	54 ± 8 (17)	50 ± 8 (17)
34no	1983	32 ± 8 (17)	20 ± 5 (17)	40 ± 8 (17)	30 ± 7 (18)	33 ± 8 (18)	39 ± 8 (18)	37 ± 8 (17)
34no	1984	26 ± 6 (18)	33 ± 7 (17)	44 ± 8 (17)	52 ± 10 (17)	56 ± 8 (17)	41 ± 7 (18)	68 ± 9 (18)
34no	1985	34 ± 5 (18)	24 ± 5 (18)	41 ± 9 (17)	32 ± 5 (17)	45 ± 7 (17)	62 ± 10 (17)	59 ± 9 (18)
34no	1986	34 ± 6 (18)	30 ± 4 (18)	37 ± 6 (18)	51 ± 11 (17)	47 ± 7 (16)	51 ± 9 (17)	72 ± 11 (17)
34no	1987	36 ± 8 (17)	43 ± 8 (18)	38 ± 10 (17)	34 ± 7 (18)	43 ± 8 (17)	35 ± 7 (17)	34 ± 8 (17)
34no	1988	27 ± 6 (17)	28 ± 6 (17)	41 ± 7 (17)	41 ± 7 (18)	35 ± 7 (18)	42 ± 10 (18)	41 ± 7 (17)
34no	1989	36 ± 6 (17)	35 ± 6 (17)	51 ± 9 (17)	49 ± 7 (17)	53 ± 8 (18)	57 ± 10 (18)	67 ± 11 (18)
34no	1990	33 ± 6 (18)	32 ± 7 (17)	59 ± 11 (16)	44 ± 9 (17)	49 ± 9 (17)	38 ± 8 (18)	62 ± 11 (18)
34no	1991	39 ± 9 (18)	32 ± 8 (18)	34 ± 9 (17)	38 ± 8 (17)	36 ± 9 (17)	40 ± 10 (17)	34 ± 8 (18)
34no	1992	28 ± 6 (17)	46 ± 8 (18)	55 ± 8 (18)	50 ± 9 (17)	64 ± 9 (17)	59 ± 10 (17)	60 ± 11 (17)
34no	1993	28 ± 7 (17)	28 ± 7 (17)	41 ± 9 (18)	44 ± 9 (18)	46 ± 10 (18)	32 ± 8 (17)	38 ± 11 (17)
34no	1994	28 ± 6 (16)	40 ± 9 (16)	60 ± 10 (16)	57 ± 9 (18)	58 ± 10 (18)	65 ± 9 (17)	40 ± 7 (16)
34no	1995	48 ± 11 (16)	58 ± 10 (16)	55 ± 13 (16)	47 ± 6 (17)	62 ± 13 (18)	57 ± 9 (18)	66 ± 10 (17)
34no	1996	31 ± 5 (18)	31 ± 6 (18)	46 ± 10 (17)	34 ± 7 (17)	35 ± 7 (17)	36 ± 6 (17)	52 ± 10 (18)
34no	1997	28 ± 5 (18)	41 ± 9 (18)	52 ± 11 (17)	55 ± 11 (17)	47 ± 10 (17)	35 ± 9 (17)	37 ± 11 (17)
34no	1998	30 ± 6 (17)	40 ± 7 (18)	34 ± 7 (18)	37 ± 6 (18)	37 ± 7 (17)	44 ± 10 (17)	47 ± 10 (17)
34no	81-84	33 ± 3 (67)	30 ± 3 (69)	46 ± 4 (70)	39 ± 4 (71)	42 ± 4 (69)	45 ± 4 (70)	57 ± 5 (69)
34no	84-89	34 ± 3 (87)	32 ± 3 (88)	41 ± 4 (86)	41 ± 3 (87)	45 ± 3 (86)	49 ± 4 (87)	55 ± 4 (87)
34no	90-94	32 ± 3 (86)	36 ± 3 (86)	50 ± 4 (85)	47 ± 4 (87)	51 ± 4 (87)	47 ± 4 (86)	47 ± 4 (86)
34no	95-98	34 ± 4 (69)	42 ± 4 (70)	46 ± 5 (68)	43 ± 4 (69)	45 ± 5 (69)	43 ± 4 (69)	50 ± 5 (69)
34no2_nox	1981	0.62 ± 0.04 (15)	0.59 ± 0.03 (16)	0.49 ± 0.04 (18)	0.63 ± 0.04 (18)	0.63 ± 0.04 (17)	0.55 ± 0.03 (17)	0.47 ± 0.04 (17)
34no2_nox	1982	0.61 ± 0.06 (16)	0.69 ± 0.06 (16)	0.65 ± 0.06 (18)	0.65 ± 0.05 (17)	0.59 ± 0.03 (17)	0.55 ± 0.05 (17)	0.57 ± 0.04 (16)
34no2_nox	1983	0.70 ± 0.07 (17)	0.77 ± 0.05 (17)	0.64 ± 0.06 (17)	0.68 ± 0.06 (18)	0.69 ± 0.06 (18)	0.61 ± 0.07 (18)	0.67 ± 0.05 (17)
34no2_nox	1984	0.64 ± 0.06 (18)	0.61 ± 0.05 (17)	0.55 ± 0.05 (17)	0.51 ± 0.05 (17)	0.50 ± 0.04 (17)	0.57 ± 0.04 (18)	0.44 ± 0.03 (18)
34no2_nox	1985	0.64 ± 0.05 (18)	0.72 ± 0.04 (18)	0.62 ± 0.05 (17)	0.64 ± 0.05 (17)	0.58 ± 0.05 (17)	0.53 ± 0.05 (17)	0.55 ± 0.04 (18)
34no2_nox	1986	0.61 ± 0.05 (17)	0.63 ± 0.03 (18)	0.61 ± 0.04 (18)	0.58 ± 0.06 (17)	0.52 ± 0.06 (17)	0.57 ± 0.06 (17)	0.50 ± 0.05 (17)
34no2_nox	1987	0.67 ± 0.06 (17)	0.62 ± 0.06 (18)	0.66 ± 0.05 (17)	0.67 ± 0.05 (18)	0.59 ± 0.05 (17)	0.60 ± 0.04 (17)	0.67 ± 0.06 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
34no2_nox	1988	0.65 ± 0.05 (17)	0.66 ± 0.05 (17)	0.59 ± 0.05 (17)	0.61 ± 0.05 (18)	0.66 ± 0.05 (18)	0.65 ± 0.06 (18)	0.61 ± 0.06 (17)
34no2_nox	1989	0.61 ± 0.04 (17)	0.64 ± 0.05 (17)	0.54 ± 0.04 (17)	0.55 ± 0.04 (17)	0.57 ± 0.05 (18)	0.54 ± 0.05 (18)	0.51 ± 0.05 (18)
34no2_nox	1990	0.65 ± 0.05 (18)	0.68 ± 0.05 (17)	0.56 ± 0.06 (16)	0.63 ± 0.06 (17)	0.57 ± 0.05 (17)	0.66 ± 0.06 (18)	0.52 ± 0.05 (18)
34no2_nox	1991	0.63 ± 0.06 (18)	0.71 ± 0.05 (18)	0.70 ± 0.06 (17)	0.64 ± 0.05 (17)	0.68 ± 0.06 (17)	0.68 ± 0.06 (17)	0.69 ± 0.06 (18)
34no2_nox	1992	0.65 ± 0.05 (17)	0.51 ± 0.04 (18)	0.51 ± 0.05 (18)	0.54 ± 0.05 (17)	0.48 ± 0.04 (17)	0.47 ± 0.05 (17)	0.51 ± 0.05 (17)
34no2_nox	1993	0.70 ± 0.06 (17)	0.70 ± 0.06 (17)	0.63 ± 0.07 (18)	0.61 ± 0.06 (18)	0.64 ± 0.06 (18)	0.67 ± 0.06 (17)	0.68 ± 0.06 (17)
34no2_nox	1994	0.67 ± 0.05 (16)	0.59 ± 0.06 (16)	0.51 ± 0.05 (16)	0.52 ± 0.05 (18)	0.52 ± 0.05 (18)	0.48 ± 0.05 (17)	0.57 ± 0.04 (16)
34no2_nox	1995	0.56 ± 0.05 (16)	0.47 ± 0.03 (16)	0.54 ± 0.06 (16)	0.53 ± 0.04 (17)	0.55 ± 0.06 (18)	0.52 ± 0.05 (18)	0.47 ± 0.04 (17)
34no2_nox	1996	0.61 ± 0.05 (18)	0.63 ± 0.05 (18)	0.56 ± 0.06 (17)	0.61 ± 0.05 (17)	0.62 ± 0.05 (17)	0.56 ± 0.05 (17)	0.53 ± 0.05 (18)
34no2_nox	1997	0.64 ± 0.04 (18)	0.57 ± 0.05 (18)	0.53 ± 0.05 (17)	0.54 ± 0.05 (17)	0.56 ± 0.06 (17)	0.61 ± 0.06 (17)	0.63 ± 0.06 (17)
34no2_nox	1998	0.65 ± 0.04 (17)	0.58 ± 0.04 (18)	0.62 ± 0.04 (18)	0.58 ± 0.04 (18)	0.58 ± 0.05 (17)	0.60 ± 0.05 (17)	0.57 ± 0.05 (17)
34no2_nox	81-84	0.64 ± 0.03 (66)	0.67 ± 0.03 (66)	0.58 ± 0.03 (70)	0.62 ± 0.03 (70)	0.60 ± 0.02 (69)	0.57 ± 0.02 (70)	0.54 ± 0.02 (68)
34no2_nox	84-89	0.64 ± 0.02 (86)	0.65 ± 0.02 (88)	0.60 ± 0.02 (86)	0.61 ± 0.02 (87)	0.58 ± 0.02 (87)	0.58 ± 0.02 (87)	0.57 ± 0.02 (87)
34no2_nox	90-94	0.66 ± 0.02 (86)	0.64 ± 0.02 (86)	0.58 ± 0.03 (85)	0.59 ± 0.02 (87)	0.58 ± 0.03 (87)	0.59 ± 0.03 (86)	0.59 ± 0.03 (86)
34no2_nox	95-98	0.61 ± 0.02 (69)	0.57 ± 0.02 (70)	0.56 ± 0.03 (68)	0.56 ± 0.02 (69)	0.58 ± 0.03 (69)	0.57 ± 0.03 (69)	0.55 ± 0.03 (69)
34nmhc	1981	521 ± 62 (16)	353 ± 55 (18)	421 ± 55 (18)	404 ± 52 (18)	369 ± 55 (17)	477 ± 63 (17)	585 ± 69 (17)
34nmhc	1982	441 ± 54 (17)	333 ± 54 (17)	387 ± 70 (18)	438 ± 62 (18)	455 ± 63 (18)	531 ± 53 (17)	513 ± 79 (17)
34nmhc	1983	459 ± 72 (17)	369 ± 49 (17)	477 ± 51 (17)	370 ± 52 (18)	353 ± 49 (18)	421 ± 55 (18)	531 ± 53 (17)
34nmhc	1984	336 ± 57 (18)	333 ± 70 (17)	387 ± 59 (17)	405 ± 55 (17)	423 ± 52 (17)	370 ± 58 (18)	625 ± 80 (18)
34nmhc	1985	455 ± 53 (18)	285 ± 49 (18)	333 ± 54 (17)	351 ± 52 (17)	441 ± 60 (17)	549 ± 70 (17)	625 ± 72 (18)
34nmhc	1986	472 ± 73 (18)	353 ± 34 (18)	336 ± 57 (18)	423 ± 69 (17)	387 ± 59 (17)	423 ± 78 (17)	656 ± 94 (17)
34nmhc	1987	513 ± 70 (17)	421 ± 49 (18)	455 ± 72 (18)	455 ± 39 (18)	459 ± 49 (17)	423 ± 63 (17)	459 ± 67 (17)
34nmhc	1988	441 ± 60 (17)	387 ± 52 (17)	405 ± 49 (17)	421 ± 49 (18)	438 ± 51 (18)	489 ± 49 (18)	513 ± 70 (17)
34nmhc	1989	477 ± 57 (17)	459 ± 49 (17)	531 ± 46 (17)	477 ± 44 (17)	540 ± 57 (18)	489 ± 60 (18)	642 ± 83 (18)
34nmhc	1990	540 ± 44 (18)	423 ± 44 (17)	477 ± 57 (17)	441 ± 65 (17)	495 ± 58 (17)	438 ± 57 (18)	642 ± 51 (18)
34nmhc	1991	557 ± 66 (18)	540 ± 57 (18)	459 ± 56 (17)	441 ± 47 (17)	495 ± 52 (17)	567 ± 64 (17)	506 ± 50 (18)
34nmhc	1992	463 ± 59 (16)	477 ± 44 (17)	489 ± 49 (18)	438 ± 51 (18)	567 ± 59 (17)	521 ± 62 (16)	578 ± 73 (16)
34nmhc	1993	549 ± 65 (17)	463 ± 52 (16)	472 ± 48 (18)	489 ± 43 (18)	523 ± 51 (18)	495 ± 52 (17)	585 ± 58 (17)
34nmhc	1994	561 ± 38 (17)	515 ± 48 (16)	599 ± 46 (17)	582 ± 44 (18)	584 ± 40 (18)	618 ± 37 (18)	577 ± 31 (17)
34nmhc	1995	515 ± 49 (17)	431 ± 36 (16)	385 ± 44 (16)	371 ± 38 (17)	399 ± 48 (18)	409 ± 40 (18)	506 ± 57 (18)
34nmhc	1996	482 ± 58 (17)	387 ± 51 (18)	433 ± 44 (16)	425 ± 47 (16)	443 ± 47 (17)	425 ± 57 (17)	535 ± 59 (18)
34nmhc	1997	365 ± 44 (18)	333 ± 41 (18)	358 ± 53 (17)	371 ± 52 (17)	337 ± 45 (17)	335 ± 54 (17)	371 ± 59 (17)
34nmhc	1998	770 ± 87 (17)	658 ± 57 (18)	597 ± 71 (18)	614 ± 53 (18)	639 ± 38 (17)	673 ± 58 (17)	739 ± 54 (17)
34nmhc	81-84	437 ± 31 (68)	347 ± 28 (69)	418 ± 29 (70)	404 ± 27 (71)	400 ± 27 (70)	448 ± 29 (70)	564 ± 35 (69)
34nmhc	84-89	471 ± 28 (87)	380 ± 21 (88)	412 ± 26 (87)	426 ± 23 (87)	454 ± 25 (87)	475 ± 29 (87)	580 ± 35 (87)
34nmhc	90-94	535 ± 25 (86)	484 ± 22 (84)	499 ± 23 (87)	479 ± 23 (88)	533 ± 23 (87)	528 ± 25 (86)	577 ± 24 (86)
34nmhc	95-98	530 ± 35 (69)	453 ± 28 (70)	447 ± 29 (67)	448 ± 27 (68)	453 ± 26 (69)	460 ± 30 (69)	537 ± 32 (70)
67no	1981	46 ± 7 (15)	89 ± 14 (16)	109 ± 13 (17)	92 ± 15 (18)	109 ± 18 (16)	114 ± 17 (17)	81 ± 15 (17)
67no	1982	41 ± 8 (17)	68 ± 13 (17)	81 ± 14 (18)	82 ± 12 (18)	73 ± 11 (18)	90 ± 14 (17)	59 ± 9 (17)
67no	1983	30 ± 8 (17)	82 ± 16 (16)	99 ± 13 (17)	74 ± 12 (18)	81 ± 13 (18)	83 ± 13 (18)	51 ± 9 (17)
67no	1984	39 ± 9 (18)	78 ± 10 (16)	104 ± 17 (17)	112 ± 16 (17)	130 ± 21 (17)	117 ± 15 (18)	72 ± 13 (18)
67no	1985	37 ± 6 (18)	80 ± 14 (18)	85 ± 15 (17)	92 ± 13 (17)	107 ± 17 (17)	111 ± 13 (17)	76 ± 13 (18)
67no	1986	31 ± 5 (18)	114 ± 20 (18)	99 ± 13 (18)	88 ± 16 (17)	105 ± 18 (17)	103 ± 14 (17)	71 ± 12 (17)
67no	1987	38 ± 8 (17)	98 ± 15 (18)	102 ± 18 (17)	114 ± 17 (18)	111 ± 19 (16)	89 ± 14 (17)	64 ± 14 (17)
67no	1988	32 ± 6 (16)	70 ± 15 (17)	110 ± 21 (15)	96 ± 14 (17)	117 ± 23 (18)	89 ± 16 (18)	43 ± 6 (16)
67no	1989	36 ± 6 (17)	85 ± 14 (17)	104 ± 18 (17)	138 ± 17 (17)	111 ± 19 (18)	132 ± 23 (18)	96 ± 16 (18)
67no	1990	42 ± 6 (18)	94 ± 20 (17)	137 ± 23 (15)	128 ± 25 (17)	108 ± 18 (17)	91 ± 17 (18)	77 ± 10 (18)
67no	1991	41 ± 7 (18)	94 ± 17 (18)	83 ± 16 (17)	95 ± 23 (17)	88 ± 20 (17)	96 ± 22 (17)	45 ± 10 (18)
67no	1992	38 ± 9 (17)	108 ± 18 (18)	114 ± 22 (18)	126 ± 19 (17)	129 ± 23 (17)	111 ± 21 (17)	73 ± 15 (17)
67no	1993	25 ± 7 (17)	64 ± 17 (17)	94 ± 19 (18)	101 ± 22 (18)	99 ± 24 (18)	92 ± 18 (17)	65 ± 18 (17)
67no	1994	33 ± 6 (16)	84 ± 15 (15)	119 ± 19 (16)	125 ± 17 (18)	124 ± 18 (18)	133 ± 17 (17)	62 ± 7 (16)
67no	1995	51 ± 8 (16)	103 ± 13 (16)	110 ± 17 (16)	109 ± 19 (17)	123 ± 21 (17)	162 ± 18 (17)	80 ± 12 (17)
67no	1996	45 ± 10 (18)	75 ± 14 (18)	102 ± 19 (16)	93 ± 20 (17)	100 ± 16 (17)	88 ± 15 (17)	73 ± 12 (18)
67no	1997	44 ± 9 (18)	87 ± 18 (18)	116 ± 22 (17)	137 ± 24 (17)	102 ± 20 (17)	82 ± 20 (17)	62 ± 18 (17)
67no	1998	36 ± 9 (17)	103 ± 15 (18)	81 ± 13 (18)	84 ± 14 (18)	92 ± 16 (17)	113 ± 23 (17)	61 ± 11 (17)
67no	81-84	39 ± 4 (67)	79 ± 7 (65)	98 ± 7 (69)	90 ± 7 (71)	97 ± 8 (69)	101 ± 7 (70)	66 ± 6 (69)
67no	84-89	35 ± 3 (86)	90 ± 7 (88)	100 ± 7 (84)	106 ± 7 (86)	110 ± 9 (86)	105 ± 7 (87)	71 ± 6 (86)
67no	90-94	36 ± 3 (86)	89 ± 8 (85)	108 ± 9 (84)	115 ± 9 (87)	110 ± 9 (87)	104 ± 8 (86)	64 ± 6 (86)
67no	95-98	44 ± 4 (69)	92 ± 8 (70)	102 ± 9 (67)	106 ± 10 (69)	104 ± 9 (68)	111 ± 10 (68)	69 ± 7 (69)
67no2	1981	57 ± 5 (15)	59 ± 5 (15)	64 ± 5 (17)	62 ± 6 (18)	69 ± 7 (16)	69 ± 6 (17)	59 ± 6 (17)
67no2	1982	47 ± 6 (16)	57 ± 5 (16)	57 ± 6 (18)	61 ± 6 (17)	68 ± 8 (18)	65 ± 5 (17)	54 ± 6 (16)
67no2	1983	44 ± 4 (17)	57 ± 6 (16)	62 ± 5 (17)	55 ± 4 (18)	55 ± 5 (18)	59 ± 6 (18)	60 ± 5 (17)
67no2	1984	41 ± 6 (18)	52 ± 7 (16)	51 ± 6 (17)	59 ± 5 (17)	58 ± 5 (17)	58 ± 4 (18)	53 ± 5 (18)
67no2	1985	51 ± 5 (18)	56 ± 5 (18)	55 ± 6 (17)	59 ± 5 (17)	63 ± 7 (17)	70 ± 7 (17)	66 ± 6 (18)
67no2	1986	48 ± 5 (18)	53 ± 3 (18)	58 ± 4 (18)	56 ± 5 (17)	56 ± 5 (17)	58 ± 7 (17)	52 ± 5 (17)
67no2	1987	52 ± 5 (17)	63 ± 5 (18)	64 ± 6 (17)	63 ± 4 (18)	63 ± 4 (16)	62 ± 5 (17)	51 ± 5 (17)
67no2	1988	45 ± 6 (16)	48 ± 5 (17)	57 ± 4 (15)	58 ± 4 (17)	62 ± 5 (18)	62 ± 4 (18)	54 ± 6 (16)
67no2	1989	50 ± 5 (17)	59 ± 6 (17)	63 ± 6 (17)	67 ± 5 (17)	61 ± 5 (18)	63 ± 5 (18)	56 ± 5 (18)
67no2	1990	51 ± 5 (18)	56 ± 6 (17)	71 ± 7 (15)	62 ± 5 (17)	59 ± 5 (17)	59 ± 5 (18)	58 ± 4 (18)
67no2	1991	47 ± 3 (18)	55 ± 3 (18)	59 ± 4 (17)	51 ± 4 (17)	51 ± 4 (17)	57 ± 5 (17)	47 ± 3 (18)
67no2	1992	45 ± 5 (17)	54 ± 5 (18)	54 ± 5 (18)	55 ± 4 (17)	60 ± 4 (17)	55 ± 5 (17)	50 ± 5 (17)
67no2	1993	38 ± 5 (17)	44 ± 3 (17)	47 ± 4 (18)	53 ± 5 (18)	53 ± 4 (18)	52 ± 4 (17)	47 ± 5 (17)
67no2	1994	44 ± 4 (16)	50 ± 4 (15)	54 ± 4 (16)	55 ± 5 (18)	54 ± 4 (18)	59 ± 6 (17)	52 ± 4 (16)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
67no2	1995	47 ± 2 (16)	52 ± 4 (16)	50 ± 4 (16)	50 ± 3 (17)	52 ± 5 (17)	57 ± 4 (17)	47 ± 5 (17)
67no2	1996	40 ± 3 (18)	43 ± 3 (18)	46 ± 4 (16)	44 ± 4 (17)	48 ± 4 (17)	47 ± 4 (17)	47 ± 4 (18)
67no2	1997	38 ± 3 (18)	42 ± 3 (18)	50 ± 4 (17)	56 ± 5 (17)	46 ± 4 (17)	44 ± 4 (17)	36 ± 4 (17)
67no2	1998	42 ± 4 (17)	51 ± 3 (18)	47 ± 4 (18)	45 ± 3 (18)	46 ± 4 (17)	51 ± 5 (17)	50 ± 4 (17)
67no2	81-84	47 ± 3 (66)	56 ± 3 (63)	59 ± 3 (69)	59 ± 3 (70)	62 ± 3 (69)	63 ± 3 (70)	56 ± 3 (68)
67no2	84-89	49 ± 2 (86)	56 ± 2 (88)	59 ± 2 (84)	60 ± 2 (86)	61 ± 2 (86)	63 ± 3 (87)	56 ± 2 (86)
67no2	90-94	45 ± 2 (86)	52 ± 2 (85)	56 ± 2 (84)	55 ± 2 (87)	55 ± 2 (87)	57 ± 2 (86)	51 ± 2 (86)
67no2	95-98	42 ± 2 (69)	47 ± 2 (70)	48 ± 2 (67)	49 ± 2 (69)	48 ± 2 (68)	50 ± 2 (68)	45 ± 2 (69)
67co	1981	1.5 ± 0.2 (16)	2.8 ± 0.5 (18)	2.8 ± 0.2 (18)	2.5 ± 0.4 (18)	3.0 ± 0.5 (17)	3.1 ± 0.5 (17)	2.2 ± 0.3 (17)
67co	1982	1.4 ± 0.2 (17)	2.1 ± 0.3 (17)	2.5 ± 0.4 (17)	2.4 ± 0.4 (18)	2.8 ± 0.4 (18)	2.7 ± 0.4 (17)	1.6 ± 0.2 (17)
67co	1983	1.1 ± 0.2 (17)	2.6 ± 0.4 (16)	3.2 ± 0.3 (17)	2.4 ± 0.3 (18)	2.4 ± 0.4 (18)	2.7 ± 0.3 (18)	2.1 ± 0.2 (17)
67co	1984	1.2 ± 0.3 (18)	2.2 ± 0.3 (17)	2.8 ± 0.4 (16)	2.9 ± 0.4 (17)	3.1 ± 0.5 (17)	3.0 ± 0.4 (18)	2.1 ± 0.3 (18)
67co	1985	1.4 ± 0.2 (18)	2.4 ± 0.4 (18)	2.4 ± 0.4 (17)	2.5 ± 0.3 (17)	3.0 ± 0.4 (17)	3.1 ± 0.4 (17)	2.3 ± 0.3 (18)
67co	1986	1.2 ± 0.2 (18)	2.9 ± 0.5 (18)	2.8 ± 0.3 (18)	2.4 ± 0.4 (17)	2.8 ± 0.5 (17)	2.8 ± 0.4 (17)	1.9 ± 0.3 (17)
67co	1987	1.6 ± 0.2 (17)	2.8 ± 0.4 (18)	2.9 ± 0.5 (18)	3.2 ± 0.4 (18)	3.1 ± 0.4 (17)	2.6 ± 0.3 (17)	2.0 ± 0.3 (17)
67co	1988	1.5 ± 0.2 (17)	2.4 ± 0.4 (17)	3.4 ± 0.5 (16)	2.9 ± 0.4 (17)	3.4 ± 0.5 (18)	3.0 ± 0.5 (18)	1.9 ± 0.2 (17)
67co	1989	1.6 ± 0.3 (17)	2.6 ± 0.4 (17)	2.9 ± 0.5 (17)	3.8 ± 0.4 (17)	3.2 ± 0.5 (18)	3.6 ± 0.5 (18)	2.6 ± 0.4 (18)
67co	1990	1.7 ± 0.3 (18)	2.6 ± 0.4 (17)	3.5 ± 0.4 (17)	3.4 ± 0.5 (17)	3.0 ± 0.4 (17)	2.6 ± 0.4 (18)	2.3 ± 0.2 (18)
67co	1991	1.7 ± 0.2 (18)	2.7 ± 0.4 (18)	2.4 ± 0.4 (17)	2.5 ± 0.4 (17)	2.3 ± 0.4 (17)	2.6 ± 0.4 (17)	1.8 ± 0.2 (18)
67co	1992	1.7 ± 0.2 (16)	2.8 ± 0.3 (18)	2.8 ± 0.4 (18)	3.0 ± 0.4 (18)	3.2 ± 0.4 (17)	2.8 ± 0.4 (16)	2.3 ± 0.3 (16)
67co	1993	1.5 ± 0.2 (17)	2.1 ± 0.3 (17)	2.4 ± 0.3 (18)	2.6 ± 0.4 (18)	2.8 ± 0.4 (18)	2.5 ± 0.3 (17)	2.4 ± 0.3 (17)
67co	1994	1.9 ± 0.2 (17)	2.5 ± 0.3 (16)	2.9 ± 0.4 (17)	3.2 ± 0.3 (18)	3.1 ± 0.4 (18)	3.4 ± 0.3 (18)	2.5 ± 0.2 (17)
67co	1995	1.6 ± 0.1 (17)	2.3 ± 0.2 (16)	2.3 ± 0.3 (16)	2.2 ± 0.3 (17)	2.4 ± 0.4 (17)	2.9 ± 0.3 (18)	1.8 ± 0.2 (18)
67co	1996	1.5 ± 0.2 (17)	2.0 ± 0.3 (18)	2.4 ± 0.3 (16)	2.3 ± 0.4 (16)	2.5 ± 0.3 (17)	2.3 ± 0.3 (17)	2.1 ± 0.2 (18)
67co	1997	1.2 ± 0.2 (18)	1.8 ± 0.3 (18)	2.2 ± 0.3 (17)	2.4 ± 0.3 (17)	1.8 ± 0.3 (17)	1.8 ± 0.3 (17)	1.5 ± 0.3 (17)
67co	1998	2.5 ± 0.3 (17)	3.7 ± 0.4 (18)	2.5 ± 0.3 (18)	2.6 ± 0.3 (18)	2.7 ± 0.3 (17)	3.3 ± 0.4 (17)	2.8 ± 0.2 (17)
67co	81-84	1.3 ± 0.1 (68)	2.4 ± 0.2 (68)	2.8 ± 0.2 (68)	2.5 ± 0.2 (71)	2.8 ± 0.2 (70)	2.9 ± 0.2 (70)	2.0 ± 0.1 (69)
67co	84-89	1.5 ± 0.1 (87)	2.6 ± 0.2 (88)	2.9 ± 0.2 (86)	2.9 ± 0.2 (86)	3.1 ± 0.2 (87)	3.0 ± 0.2 (87)	2.1 ± 0.1 (87)
67co	90-94	1.7 ± 0.1 (86)	2.5 ± 0.2 (86)	2.8 ± 0.2 (87)	2.9 ± 0.2 (88)	2.9 ± 0.2 (87)	2.8 ± 0.2 (86)	2.2 ± 0.1 (86)
67co	95-98	1.7 ± 0.1 (69)	2.5 ± 0.2 (70)	2.3 ± 0.1 (67)	2.4 ± 0.2 (68)	2.4 ± 0.2 (68)	2.6 ± 0.2 (69)	2.0 ± 0.1 (70)
67nmhc	1981	540 ± 56 (16)	930 ± 139 (18)	930 ± 76 (18)	845 ± 129 (18)	998 ± 148 (17)	1016 ± 147 (17)	746 ± 105 (17)
67nmhc	1982	513 ± 70 (17)	728 ± 101 (17)	836 ± 123 (17)	811 ± 111 (18)	930 ± 120 (18)	908 ± 113 (17)	585 ± 74 (17)
67nmhc	1983	423 ± 63 (17)	883 ± 118 (16)	1070 ± 103 (17)	811 ± 96 (18)	811 ± 108 (18)	896 ± 105 (18)	710 ± 76 (17)
67nmhc	1984	455 ± 84 (18)	746 ± 102 (17)	921 ± 123 (16)	980 ± 121 (17)	1034 ± 143 (17)	998 ± 121 (18)	709 ± 97 (18)
67nmhc	1985	506 ± 61 (18)	811 ± 108 (18)	800 ± 108 (17)	836 ± 95 (17)	998 ± 133 (17)	1016 ± 113 (17)	777 ± 95 (18)
67nmhc	1986	455 ± 58 (18)	964 ± 146 (18)	930 ± 106 (18)	800 ± 125 (17)	926 ± 145 (17)	944 ± 123 (17)	674 ± 81 (17)
67nmhc	1987	567 ± 64 (17)	930 ± 115 (18)	981 ± 147 (18)	1049 ± 126 (18)	1016 ± 121 (17)	872 ± 102 (17)	692 ± 101 (17)
67nmhc	1988	531 ± 70 (17)	800 ± 108 (17)	1112 ± 160 (16)	962 ± 125 (17)	1116 ± 156 (18)	998 ± 137 (18)	656 ± 69 (17)
67nmhc	1989	585 ± 78 (17)	890 ± 128 (17)	980 ± 142 (17)	1231 ± 124 (17)	1066 ± 149 (18)	1184 ± 156 (18)	879 ± 119 (18)
67nmhc	1990	608 ± 77 (18)	890 ± 120 (17)	1159 ± 134 (17)	1105 ± 161 (17)	998 ± 120 (17)	879 ± 111 (18)	777 ± 69 (18)
67nmhc	1991	591 ± 55 (18)	896 ± 116 (18)	800 ± 111 (17)	836 ± 129 (17)	782 ± 107 (17)	872 ± 123 (17)	642 ± 71 (18)
67nmhc	1992	597 ± 61 (16)	947 ± 105 (18)	947 ± 124 (18)	998 ± 110 (18)	1052 ± 121 (17)	921 ± 123 (16)	769 ± 90 (16)
67nmhc	1993	549 ± 59 (17)	728 ± 101 (17)	828 ± 90 (18)	879 ± 124 (18)	930 ± 134 (18)	854 ± 102 (17)	800 ± 101 (17)
67nmhc	1994	648 ± 48 (17)	830 ± 89 (16)	982 ± 110 (17)	1057 ± 103 (18)	1032 ± 109 (18)	1113 ± 93 (18)	832 ± 74 (17)
67nmhc	1995	561 ± 35 (17)	795 ± 75 (16)	774 ± 83 (16)	761 ± 88 (17)	827 ± 109 (17)	972 ± 95 (18)	630 ± 69 (18)
67nmhc	1996	545 ± 71 (17)	684 ± 93 (18)	811 ± 99 (16)	774 ± 109 (16)	852 ± 85 (17)	775 ± 96 (17)	733 ± 73 (18)
67nmhc	1997	458 ± 59 (18)	626 ± 78 (18)	744 ± 86 (17)	800 ± 95 (17)	646 ± 86 (17)	630 ± 86 (17)	525 ± 86 (17)
67nmhc	1998	834 ± 105 (17)	1223 ± 125 (18)	831 ± 94 (18)	877 ± 85 (18)	920 ± 97 (17)	1084 ± 128 (17)	926 ± 64 (17)
67nmhc	81-84	481 ± 35 (68)	823 ± 58 (68)	939 ± 53 (68)	860 ± 57 (71)	941 ± 64 (70)	954 ± 60 (70)	688 ± 44 (69)
67nmhc	84-89	527 ± 29 (87)	880 ± 54 (88)	959 ± 59 (86)	976 ± 55 (86)	1026 ± 62 (87)	1005 ± 57 (87)	738 ± 43 (87)
67nmhc	90-94	598 ± 27 (86)	860 ± 48 (86)	942 ± 52 (87)	975 ± 56 (88)	959 ± 53 (87)	930 ± 49 (86)	763 ± 36 (86)
67nmhc	95-98	598 ± 39 (69)	833 ± 55 (70)	791 ± 45 (67)	805 ± 46 (68)	811 ± 48 (68)	867 ± 54 (69)	703 ± 40 (70)
58hc_nox	1981	5.7 ± 0.5 (15)	5.6 ± 0.3 (16)	5.5 ± 0.3 (17)	5.3 ± 0.3 (18)	5.6 ± 0.3 (16)	5.5 ± 0.2 (17)	5.6 ± 0.4 (16)
58hc_nox	1982	5.9 ± 0.5 (16)	6.1 ± 0.3 (16)	6.3 ± 0.3 (17)	6.0 ± 0.2 (17)	6.4 ± 0.2 (18)	5.9 ± 0.3 (17)	5.8 ± 0.3 (16)
58hc_nox	1983	6.2 ± 0.6 (17)	6.5 ± 0.2 (17)	6.6 ± 0.2 (17)	6.4 ± 0.2 (18)	6.5 ± 0.3 (18)	6.3 ± 0.3 (18)	7.0 ± 0.3 (17)
58hc_nox	1984	5.6 ± 0.5 (18)	5.7 ± 0.2 (15)	6.1 ± 0.4 (16)	5.6 ± 0.2 (17)	5.6 ± 0.2 (17)	5.6 ± 0.2 (18)	5.9 ± 0.4 (18)
58hc_nox	1985	6.0 ± 0.3 (18)	5.7 ± 0.3 (17)	5.9 ± 0.3 (17)	5.4 ± 0.2 (17)	5.9 ± 0.2 (17)	5.5 ± 0.2 (16)	5.7 ± 0.2 (18)
58hc_nox	1986	6.1 ± 0.3 (18)	5.9 ± 0.2 (18)	5.9 ± 0.2 (18)	5.4 ± 0.2 (17)	5.6 ± 0.1 (17)	5.5 ± 0.2 (17)	5.5 ± 0.2 (17)
58hc_nox	1987	6.8 ± 0.4 (17)	6.0 ± 0.2 (18)	6.0 ± 0.2 (17)	6.2 ± 0.3 (18)	6.0 ± 0.3 (16)	6.0 ± 0.2 (17)	6.3 ± 0.5 (17)
58hc_nox	1988	7.6 ± 0.5 (16)	7.4 ± 0.5 (17)	6.2 ± 0.3 (16)	6.5 ± 0.3 (18)	6.7 ± 0.4 (18)	7.1 ± 0.4 (18)	6.9 ± 0.4 (16)
58hc_nox	1989	7.0 ± 0.3 (17)	6.3 ± 0.3 (17)	6.4 ± 0.4 (17)	5.9 ± 0.2 (16)	6.2 ± 0.3 (18)	6.3 ± 0.1 (18)	6.3 ± 0.3 (18)
58hc_nox	1990	7.3 ± 0.4 (18)	6.7 ± 0.3 (16)	5.9 ± 0.3 (15)	6.1 ± 0.2 (17)	6.1 ± 0.3 (17)	6.3 ± 0.3 (18)	6.1 ± 0.2 (18)
58hc_nox	1991	7.6 ± 0.6 (18)	6.6 ± 0.3 (17)	6.3 ± 0.4 (17)	6.3 ± 0.3 (17)	6.6 ± 0.6 (17)	6.6 ± 0.4 (16)	7.8 ± 0.8 (18)
58hc_nox	1992	7.2 ± 0.4 (16)	6.1 ± 0.3 (18)	5.8 ± 0.2 (18)	5.7 ± 0.3 (16)	6.0 ± 0.4 (16)	5.8 ± 0.2 (16)	7.0 ± 0.4 (16)
58hc_nox	1993	11.1 ± 1.0 (17)	7.8 ± 0.7 (17)	7.2 ± 0.5 (18)	7.1 ± 0.5 (18)	7.1 ± 0.5 (18)	7.4 ± 0.5 (17)	9.0 ± 0.8 (17)
58hc_nox	1994	9.7 ± 0.8 (16)	7.5 ± 0.9 (15)	6.6 ± 0.4 (15)	7.1 ± 0.8 (18)	6.5 ± 0.4 (18)	6.4 ± 0.3 (17)	7.4 ± 0.4 (16)
58hc_nox	1995	6.0 ± 0.3 (16)	5.3 ± 0.3 (15)	5.1 ± 0.3 (15)	5.0 ± 0.2 (16)	5.1 ± 0.3 (17)	4.6 ± 0.3 (16)	5.2 ± 0.2 (17)
58hc_nox	1996	7.5 ± 0.5 (17)	6.3 ± 0.5 (18)	6.4 ± 0.5 (16)	6.5 ± 0.5 (16)	6.4 ± 0.5 (17)	6.0 ± 0.4 (17)	6.6 ± 0.4 (18)
58hc_nox	1997	7.0 ± 0.8 (18)	5.5 ± 0.6 (18)	5.1 ± 0.4 (17)	4.7 ± 0.4 (17)	4.9 ± 0.5 (17)	5.7 ± 0.6 (17)	6.9 ± 0.8 (17)
58hc_nox	1998	11.5 ± 1.3 (17)	8.6 ± 0.5 (18)	7.8 ± 0.6 (18)	8.1 ± 0.6 (18)	8.5 ± 0.7 (17)	9.0 ± 1.3 (17)	10.3 ± 1.4 (17)
58hc_nox	81-84	5.8 ± 0.2 (66)	6.0 ± 0.1 (64)	6.1 ± 0.2 (67)	5.8 ± 0.1 (70)	6.0 ± 0.1 (69)	5.8 ± 0.1 (70)	6.1 ± 0.2 (67)
58hc_nox	84-89	6.7 ± 0.2 (86)	6.2 ± 0.2 (87)	6.1 ± 0.1 (85)	5.9 ± 0.1 (86)	6.1 ± 0.1 (86)	6.1 ± 0.1 (86)	6.1 ± 0.2 (86)
58hc_nox	90-94	8.6 ± 0.3 (85)	6.9 ± 0.2 (83)	6.4 ± 0.2 (83)	6.5 ± 0.2 (86)	6.5 ± 0.2 (86)	6.5 ± 0.2 (84)	7.5 ± 0.3 (85)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
58hc_nox	95-98	8.0 ± 0.5 (68)	6.5 ± 0.3 (69)	6.1 ± 0.3 (66)	6.1 ± 0.3 (67)	6.2 ± 0.3 (68)	6.4 ± 0.4 (67)	7.3 ± 0.5 (69)
maxo3hc_nox	1981	7.3 ± 1.2 (15)	6.7 ± 0.6 (18)	7.6 ± 0.6 (18)	6.6 ± 0.4 (17)	5.9 ± 0.5 (17)	7.2 ± 0.5 (17)	6.4 ± 0.8 (16)
maxo3hc_nox	1982	8.9 ± 1.1 (16)	8.5 ± 0.7 (16)	9.0 ± 0.5 (18)	8.1 ± 0.6 (17)	7.6 ± 0.5 (17)	7.6 ± 0.7 (17)	9.2 ± 0.5 (16)
maxo3hc_nox	1983	9.5 ± 0.7 (17)	8.8 ± 0.5 (16)	7.9 ± 0.6 (17)	8.1 ± 0.5 (18)	8.1 ± 0.5 (17)	9.6 ± 0.7 (18)	9.6 ± 0.6 (17)
maxo3hc_nox	1984	9.1 ± 1.2 (17)	8.4 ± 0.5 (15)	8.2 ± 0.6 (16)	8.3 ± 0.4 (17)	8.2 ± 0.7 (17)	8.4 ± 0.4 (18)	9.1 ± 0.9 (18)
maxo3hc_nox	1985	8.7 ± 0.8 (18)	8.0 ± 0.6 (17)	8.3 ± 0.5 (16)	7.7 ± 0.4 (17)	8.8 ± 0.5 (16)	7.9 ± 0.4 (16)	9.2 ± 0.5 (18)
maxo3hc_nox	1986	10.2 ± 0.8 (18)	6.9 ± 0.4 (18)	8.9 ± 0.5 (16)	7.9 ± 0.6 (17)	8.1 ± 0.4 (16)	8.2 ± 0.6 (17)	9.2 ± 0.6 (17)
maxo3hc_nox	1987	8.6 ± 0.6 (17)	7.5 ± 0.4 (17)	9.0 ± 0.9 (18)	7.8 ± 0.6 (18)	5.7 ± 0.6 (17)	7.9 ± 0.5 (17)	8.5 ± 0.5 (17)
maxo3hc_nox	1988	8.9 ± 0.9 (17)	8.5 ± 0.6 (17)	8.1 ± 0.5 (17)	8.8 ± 0.6 (18)	8.8 ± 0.5 (18)	9.1 ± 0.5 (18)	10.3 ± 0.8 (17)
maxo3hc_nox	1989	9.5 ± 0.6 (17)	8.0 ± 0.5 (17)	8.4 ± 0.6 (16)	7.7 ± 0.5 (17)	7.7 ± 0.5 (18)	7.5 ± 0.5 (18)	9.1 ± 0.5 (18)
maxo3hc_nox	1990	10.9 ± 0.5 (18)	8.7 ± 0.3 (16)	8.5 ± 0.4 (16)	8.0 ± 0.5 (17)	8.1 ± 0.5 (16)	8.4 ± 0.5 (18)	10.3 ± 0.6 (18)
maxo3hc_nox	1991	10.5 ± 0.7 (18)	8.2 ± 0.4 (18)	7.9 ± 0.3 (17)	7.4 ± 0.3 (17)	8.4 ± 0.6 (15)	8.6 ± 0.7 (16)	10.0 ± 0.8 (18)
maxo3hc_nox	1992	9.5 ± 0.7 (16)	8.6 ± 0.5 (18)	7.3 ± 0.4 (17)	7.7 ± 0.5 (16)	8.0 ± 0.8 (16)	8.2 ± 0.3 (16)	9.0 ± 0.6 (15)
maxo3hc_nox	1993	15.3 ± 1.6 (17)	8.9 ± 1.5 (17)	10.2 ± 0.7 (18)	11.5 ± 0.8 (18)	10.5 ± 0.8 (17)	12.1 ± 0.8 (17)	15.0 ± 1.7 (17)
maxo3hc_nox	1994	15.1 ± 0.7 (16)	10.9 ± 1.2 (15)	10.5 ± 0.4 (17)	9.9 ± 0.3 (17)	10.1 ± 0.4 (18)	10.8 ± 0.3 (16)	13.5 ± 0.5 (16)
maxo3hc_nox	1995	9.6 ± 0.6 (15)	7.6 ± 0.3 (15)	7.3 ± 0.5 (17)	8.1 ± 0.5 (17)	7.6 ± 0.5 (17)	7.4 ± 0.5 (17)	8.8 ± 0.6 (17)
maxo3hc_nox	1996	12.9 ± 1.1 (17)	9.6 ± 0.7 (17)	9.6 ± 1.1 (17)	12.7 ± 1.8 (17)	9.0 ± 0.9 (16)	9.5 ± 0.8 (16)	11.5 ± 1.3 (18)
maxo3hc_nox	1997	10.7 ± 1.2 (18)	7.1 ± 0.9 (18)	6.9 ± 0.8 (18)	6.9 ± 0.7 (17)	7.5 ± 0.8 (17)	9.2 ± 1.4 (17)	10.5 ± 1.1 (17)
maxo3hc_nox	1998	18.0 ± 2.0 (17)	13.0 ± 0.9 (18)	11.3 ± 1.1 (18)	10.9 ± 1.0 (18)	11.5 ± 1.3 (17)	10.9 ± 1.2 (17)	15.7 ± 1.6 (17)
maxo3hc_nox	81-84	8.7 ± 0.5 (65)	8.1 ± 0.3 (65)	8.2 ± 0.3 (69)	7.8 ± 0.2 (69)	7.5 ± 0.3 (68)	8.2 ± 0.3 (70)	8.6 ± 0.4 (67)
maxo3hc_nox	84-89	9.2 ± 0.3 (87)	7.8 ± 0.2 (86)	8.5 ± 0.3 (83)	8.0 ± 0.2 (87)	7.8 ± 0.3 (85)	8.1 ± 0.2 (86)	9.2 ± 0.3 (87)
maxo3hc_nox	90-94	12.2 ± 0.5 (85)	9.0 ± 0.4 (84)	8.9 ± 0.2 (85)	8.9 ± 0.3 (85)	9.1 ± 0.3 (82)	9.6 ± 0.3 (83)	11.5 ± 0.5 (84)
maxo3hc_nox	95-98	12.9 ± 0.8 (67)	9.4 ± 0.5 (68)	8.8 ± 0.5 (70)	9.7 ± 0.6 (69)	8.9 ± 0.5 (67)	9.2 ± 0.5 (67)	11.6 ± 0.7 (69)
tno=o3	1981	7.6 ± 0.3 (15)	8.6 ± 0.2 (13)	9.0 ± 0.3 (10)	9.2 ± 0.3 (12)	8.6 ± 0.3 (14)	8.4 ± 0.3 (15)	8.0 ± 0.2 (14)
tno=o3	1982	7.1 ± 0.3 (15)	8.5 ± 0.3 (11)	8.9 ± 0.6 (10)	8.6 ± 0.2 (14)	8.4 ± 0.3 (15)	8.6 ± 0.4 (13)	8.3 ± 0.3 (16)
tno=o3	1983	7.5 ± 0.4 (11)	8.2 ± 0.4 (15)	8.4 ± 0.3 (10)	8.5 ± 0.2 (15)	8.9 ± 0.4 (14)	8.6 ± 0.2 (17)	7.7 ± 0.2 (16)
tno=o3	1984	7.6 ± 0.1 (15)	8.7 ± 0.3 (15)	8.7 ± 0.5 (10)	8.8 ± 0.3 (14)	8.7 ± 0.2 (17)	8.9 ± 0.2 (18)	8.0 ± 0.3 (18)
tno=o3	1985	7.2 ± 0.2 (17)	8.8 ± 0.3 (16)	8.5 ± 0.3 (14)	8.1 ± 0.3 (15)	8.3 ± 0.3 (14)	8.7 ± 0.3 (16)	8.1 ± 0.2 (18)
tno=o3	1986	7.5 ± 0.2 (16)	8.3 ± 0.3 (15)	8.6 ± 0.1 (14)	8.5 ± 0.2 (13)	8.6 ± 0.1 (15)	8.4 ± 0.2 (17)	8.2 ± 0.1 (17)
tno=o3	1987	7.5 ± 0.3 (16)	9.0 ± 0.3 (17)	9.0 ± 0.3 (8)	9.0 ± 0.2 (14)	9.0 ± 0.2 (14)	9.1 ± 0.3 (14)	8.3 ± 0.3 (16)
tno=o3	1988	7.5 ± 0.2 (12)	9.1 ± 0.3 (15)	9.1 ± 0.4 (11)	8.7 ± 0.2 (14)	8.6 ± 0.2 (18)	8.6 ± 0.3 (18)	8.1 ± 0.2 (15)
tno=o3	1989	7.7 ± 0.2 (15)	9.2 ± 0.3 (17)	8.7 ± 0.2 (15)	9.3 ± 0.2 (10)	9.0 ± 0.2 (15)	9.2 ± 0.3 (18)	8.4 ± 0.3 (18)
tno=o3	1990	7.5 ± 0.1 (16)	8.7 ± 0.2 (16)	8.7 ± 0.2 (12)	8.9 ± 0.3 (15)	8.7 ± 0.2 (17)	8.6 ± 0.2 (16)	8.3 ± 0.3 (18)
tno=o3	1991	7.7 ± 0.3 (16)	8.9 ± 0.3 (15)	9.2 ± 0.2 (16)	9.2 ± 0.4 (16)	8.9 ± 0.4 (16)	9.2 ± 0.3 (16)	8.5 ± 0.2 (17)
tno=o3	1992	7.0 ± 0.2 (16)	8.7 ± 0.3 (17)	8.9 ± 0.2 (13)	9.0 ± 0.2 (12)	8.6 ± 0.2 (16)	8.5 ± 0.2 (13)	7.9 ± 0.2 (15)
tno=o3	1993	7.3 ± 0.3 (12)	9.1 ± 0.3 (14)	9.1 ± 0.2 (14)	8.8 ± 0.2 (17)	8.7 ± 0.3 (14)	8.8 ± 0.2 (15)	7.8 ± 0.3 (14)
tno=o3	1994	7.5 ± 0.2 (13)	8.9 ± 0.2 (12)	8.9 ± 0.1 (13)	9.2 ± 0.3 (15)	8.9 ± 0.2 (17)	8.7 ± 0.2 (16)	8.3 ± 0.2 (16)
tno=o3	1995	7.8 ± 0.2 (16)	8.7 ± 0.2 (16)	9.2 ± 0.2 (14)	9.1 ± 0.2 (16)	9.2 ± 0.2 (13)	9.4 ± 0.3 (15)	8.6 ± 0.1 (15)
tno=o3	1996	7.7 ± 0.2 (15)	9.2 ± 0.2 (16)	9.3 ± 0.2 (16)	9.1 ± 0.3 (15)	9.1 ± 0.3 (17)	8.9 ± 0.2 (15)	8.6 ± 0.2 (17)
tno=o3	1997	7.9 ± 0.2 (16)	9.4 ± 0.3 (18)	9.8 ± 0.2 (16)	9.4 ± 0.2 (17)	9.5 ± 0.2 (16)	9.5 ± 0.3 (17)	9.0 ± 0.2 (16)
tno=o3	1998	8.0 ± 0.3 (14)	9.6 ± 0.3 (18)	9.2 ± 0.3 (18)	9.8 ± 0.3 (17)	9.7 ± 0.3 (15)	9.8 ± 0.3 (16)	9.3 ± 0.2 (15)
tno=o3	81-84	7.5 ± 0.1 (56)	8.5 ± 0.2 (54)	8.7 ± 0.2 (40)	8.8 ± 0.1 (55)	8.6 ± 0.1 (60)	8.6 ± 0.1 (63)	8.0 ± 0.1 (64)
tno=o3	84-89	7.5 ± 0.1 (76)	8.9 ± 0.1 (80)	8.8 ± 0.1 (62)	8.7 ± 0.1 (66)	8.7 ± 0.1 (76)	8.8 ± 0.1 (83)	8.2 ± 0.1 (84)
tno=o3	90-94	7.4 ± 0.1 (73)	8.8 ± 0.1 (74)	9.0 ± 0.1 (68)	9.0 ± 0.1 (75)	8.8 ± 0.1 (80)	8.8 ± 0.1 (76)	8.2 ± 0.1 (80)
tno=o3	95-98	7.8 ± 0.1 (61)	9.2 ± 0.1 (68)	9.4 ± 0.1 (64)	9.4 ± 0.1 (65)	9.4 ± 0.1 (61)	9.4 ± 0.1 (63)	8.8 ± 0.1 (63)
to3max	1981	13.4 ± 0.4 (16)	13.2 ± 0.4 (18)	13.3 ± 0.3 (18)	13.3 ± 0.3 (18)	13.2 ± 0.3 (17)	13.4 ± 0.4 (17)	13.3 ± 0.3 (16)
to3max	1982	13.9 ± 0.6 (17)	13.0 ± 0.3 (17)	13.8 ± 0.3 (18)	13.7 ± 0.4 (16)	13.1 ± 0.3 (17)	12.9 ± 0.9 (17)	13.2 ± 0.4 (17)
to3max	1983	14.2 ± 0.3 (17)	13.9 ± 0.3 (17)	13.3 ± 0.3 (17)	13.6 ± 0.3 (17)	13.7 ± 0.4 (16)	13.2 ± 0.4 (17)	13.4 ± 0.3 (17)
to3max	1984	13.4 ± 0.3 (18)	13.4 ± 0.3 (17)	12.6 ± 0.7 (16)	13.5 ± 0.3 (17)	13.1 ± 0.2 (17)	13.3 ± 0.3 (18)	12.9 ± 0.3 (18)
to3max	1985	13.2 ± 0.3 (18)	13.2 ± 0.2 (18)	13.1 ± 0.4 (17)	13.0 ± 0.3 (16)	13.2 ± 0.4 (17)	13.4 ± 0.2 (17)	13.5 ± 0.3 (18)
to3max	1986	13.5 ± 0.3 (18)	13.4 ± 0.2 (18)	13.3 ± 0.3 (18)	13.4 ± 0.3 (16)	13.4 ± 0.4 (17)	13.9 ± 0.4 (17)	13.3 ± 0.2 (17)
to3max	1987	13.1 ± 0.3 (17)	14.0 ± 0.3 (18)	13.6 ± 0.3 (18)	13.4 ± 0.2 (18)	13.2 ± 0.3 (17)	13.2 ± 0.2 (16)	13.0 ± 0.8 (17)
to3max	1988	13.6 ± 0.4 (17)	13.2 ± 0.3 (17)	13.2 ± 0.2 (16)	12.9 ± 0.4 (18)	13.7 ± 0.3 (18)	13.1 ± 0.2 (18)	13.4 ± 0.2 (17)
to3max	1989	13.6 ± 0.2 (17)	13.3 ± 0.2 (17)	12.9 ± 0.3 (17)	13.0 ± 0.3 (17)	12.9 ± 0.2 (17)	13.5 ± 0.3 (18)	13.2 ± 0.3 (18)
to3max	1990	13.0 ± 0.3 (17)	13.3 ± 0.2 (17)	13.2 ± 0.3 (17)	13.2 ± 0.3 (16)	13.3 ± 0.3 (16)	13.3 ± 0.3 (17)	13.4 ± 0.4 (18)
to3max	1991	13.4 ± 0.2 (18)	13.2 ± 0.3 (18)	13.4 ± 0.3 (17)	13.6 ± 0.2 (17)	14.0 ± 0.2 (17)	14.1 ± 0.3 (17)	13.4 ± 0.2 (18)
to3max	1992	13.1 ± 0.4 (17)	13.4 ± 0.3 (18)	13.1 ± 0.4 (18)	13.4 ± 0.3 (18)	13.2 ± 0.2 (17)	13.6 ± 0.3 (17)	13.8 ± 0.3 (16)
to3max	1993	13.2 ± 0.3 (17)	13.8 ± 0.3 (16)	13.8 ± 0.2 (18)	14.0 ± 0.3 (18)	13.6 ± 0.3 (18)	13.9 ± 0.2 (17)	12.9 ± 0.7 (17)
to3max	1994	13.6 ± 0.3 (17)	13.6 ± 0.3 (17)	13.8 ± 0.3 (17)	13.9 ± 0.3 (18)	13.7 ± 0.2 (18)	13.6 ± 0.3 (18)	13.4 ± 0.2 (17)
to3max	1995	13.8 ± 0.3 (17)	14.0 ± 0.2 (17)	13.9 ± 0.3 (17)	13.9 ± 0.3 (17)	12.9 ± 0.7 (17)	14.1 ± 0.3 (17)	14.1 ± 0.3 (18)
to3max	1996	13.6 ± 0.2 (18)	13.9 ± 0.2 (18)	13.9 ± 0.3 (17)	14.1 ± 0.4 (17)	13.5 ± 0.2 (17)	14.2 ± 0.3 (17)	13.9 ± 0.2 (18)
to3max	1997	13.6 ± 0.3 (18)	14.3 ± 0.3 (18)	14.3 ± 0.5 (18)	13.3 ± 0.2 (17)	13.2 ± 0.9 (17)	13.6 ± 0.3 (16)	14.1 ± 0.2 (16)
to3max	1998	14.3 ± 0.3 (16)	14.3 ± 0.2 (17)	13.6 ± 0.6 (18)	13.9 ± 0.3 (18)	14.3 ± 0.2 (16)	13.3 ± 0.7 (17)	14.4 ± 0.3 (17)
to3max	81-84	13.7 ± 0.2 (68)	13.4 ± 0.2 (69)	13.2 ± 0.2 (69)	13.5 ± 0.2 (68)	13.3 ± 0.2 (67)	13.2 ± 0.3 (69)	13.2 ± 0.2 (68)
to3max	84-89	13.4 ± 0.1 (87)	13.4 ± 0.1 (88)	13.2 ± 0.1 (86)	13.1 ± 0.1 (85)	13.3 ± 0.1 (86)	13.4 ± 0.1 (86)	13.3 ± 0.2 (87)
to3max	90-94	13.2 ± 0.1 (86)	13.4 ± 0.1 (86)	13.5 ± 0.1 (87)	13.6 ± 0.1 (87)	13.6 ± 0.1 (86)	13.7 ± 0.1 (86)	13.4 ± 0.2 (86)
to3max	95-98	13.8 ± 0.1 (69)	14.1 ± 0.1 (70)	13.9 ± 0.2 (70)	13.8 ± 0.1 (69)	13.5 ± 0.3 (67)	13.8 ± 0.2 (67)	14.1 ± 0.1 (69)
to3acc	1981	5.7 ± 0.4 (15)	4.2 ± 0.4 (13)	4.4 ± 0.5 (10)	3.9 ± 0.6 (12)	4.5 ± 0.3 (14)	5.0 ± 0.4 (15)	5.4 ± 0.3 (14)
to3acc	1982	6.3 ± 0.5 (15)	4.6 ± 0.4 (11)	4.9 ± 0.6 (10)	4.9 ± 0.4 (14)	4.9 ± 0.3 (14)	5.1 ± 0.5 (13)	5.1 ± 0.4 (16)
to3acc	1983	6.6 ± 0.5 (11)	5.8 ± 0.3 (15)	4.7 ± 0.6 (10)	4.9 ± 0.4 (15)	5.1 ± 0.4 (14)	4.7 ± 0.3 (17)	5.6 ± 0.4 (16)
to3acc	1984	5.8 ± 0.4 (15)	4.7 ± 0.4 (15)	4.5 ± 0.3 (9)	4.5 ± 0.4 (14)	4.4 ± 0.3 (17)	4.5 ± 0.3 (18)	4.9 ± 0.4 (18)
to3acc	1985	5.9 ± 0.4 (17)	4.2 ± 0.4 (16)	4.2 ± 0.5 (14)	4.9 ± 0.3 (14)	5.2 ± 0.4 (14)	4.6 ± 0.3 (16)	5.4 ± 0.3 (18)
to3acc	1986	6.0 ± 0.4 (16)	5.2 ± 0.3 (15)	4.6 ± 0.4 (14)	4.9 ± 0.4 (13)	4.8 ± 0.2 (15)	5.6 ± 0.4 (17)	5.1 ± 0.3 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
to3acc	1987	5.6 ± 0.4 (16)	5.0 ± 0.3 (17)	4.4 ± 0.5 (8)	4.6 ± 0.3 (14)	4.3 ± 0.3 (14)	4.0 ± 0.3 (14)	5.5 ± 0.4 (16)
to3acc	1988	6.2 ± 0.5 (12)	4.1 ± 0.3 (15)	4.4 ± 0.3 (10)	4.2 ± 0.6 (14)	5.1 ± 0.3 (18)	4.5 ± 0.3 (18)	5.3 ± 0.3 (15)
to3acc	1989	5.8 ± 0.4 (15)	4.1 ± 0.3 (17)	4.1 ± 0.4 (15)	4.0 ± 0.4 (10)	4.0 ± 0.3 (14)	4.3 ± 0.4 (18)	4.8 ± 0.3 (18)
to3acc	1990	5.4 ± 0.3 (15)	4.7 ± 0.3 (16)	4.1 ± 0.3 (12)	4.6 ± 0.4 (14)	4.5 ± 0.4 (16)	4.7 ± 0.5 (16)	5.1 ± 0.4 (18)
to3acc	1991	5.7 ± 0.3 (16)	4.2 ± 0.3 (15)	4.4 ± 0.4 (16)	4.4 ± 0.5 (16)	5.0 ± 0.4 (16)	4.9 ± 0.3 (16)	4.9 ± 0.3 (17)
to3acc	1992	6.2 ± 0.4 (16)	4.6 ± 0.4 (17)	4.5 ± 0.5 (13)	4.0 ± 0.3 (12)	4.5 ± 0.3 (16)	4.8 ± 0.4 (13)	5.7 ± 0.3 (14)
to3acc	1993	5.5 ± 0.3 (12)	4.7 ± 0.4 (13)	4.8 ± 0.3 (14)	5.2 ± 0.3 (17)	4.9 ± 0.4 (14)	5.2 ± 0.3 (15)	5.6 ± 0.2 (14)
to3acc	1994	5.8 ± 0.3 (13)	4.7 ± 0.3 (12)	5.3 ± 0.3 (13)	4.7 ± 0.3 (15)	4.8 ± 0.3 (17)	4.8 ± 0.4 (16)	5.1 ± 0.2 (16)
to3acc	1995	6.1 ± 0.3 (16)	5.2 ± 0.4 (16)	4.4 ± 0.3 (14)	4.9 ± 0.3 (16)	3.5 ± 1.0 (13)	4.7 ± 0.2 (15)	5.5 ± 0.4 (15)
to3acc	1996	5.9 ± 0.4 (15)	4.7 ± 0.3 (16)	4.7 ± 0.3 (16)	4.8 ± 0.4 (15)	4.4 ± 0.3 (17)	5.2 ± 0.4 (15)	5.3 ± 0.3 (17)
to3acc	1997	5.7 ± 0.3 (16)	4.9 ± 0.4 (18)	4.0 ± 0.3 (16)	3.9 ± 0.3 (17)	4.5 ± 0.5 (16)	4.1 ± 0.4 (16)	5.2 ± 0.3 (15)
to3acc	1998	6.3 ± 0.5 (14)	4.6 ± 0.3 (17)	4.4 ± 0.6 (18)	4.2 ± 0.3 (17)	4.7 ± 0.4 (15)	3.4 ± 0.9 (16)	5.1 ± 0.4 (15)
to3acc	81-84	6.1 ± 0.2 (56)	4.9 ± 0.2 (54)	4.6 ± 0.2 (39)	4.6 ± 0.2 (55)	4.7 ± 0.2 (59)	4.8 ± 0.2 (63)	5.2 ± 0.2 (64)
to3acc	84-89	5.9 ± 0.2 (76)	4.5 ± 0.2 (80)	4.3 ± 0.2 (61)	4.5 ± 0.2 (65)	4.7 ± 0.1 (75)	4.6 ± 0.2 (83)	5.2 ± 0.1 (84)
to3acc	90-94	5.7 ± 0.2 (72)	4.6 ± 0.1 (73)	4.6 ± 0.2 (68)	4.6 ± 0.2 (74)	4.8 ± 0.2 (79)	4.9 ± 0.2 (76)	5.3 ± 0.1 (79)
to3acc	95-98	6.0 ± 0.2 (61)	4.9 ± 0.2 (67)	4.4 ± 0.2 (64)	4.4 ± 0.2 (65)	4.3 ± 0.3 (61)	4.3 ± 0.3 (62)	5.3 ± 0.2 (62)
o3rate	1981	23.3 ± 2.1 (15)	27.8 ± 2.7 (13)	29.9 ± 2.4 (10)	30.1 ± 3.4 (12)	32.5 ± 2.6 (14)	29.6 ± 2.8 (15)	26.9 ± 1.9 (14)
o3rate	1982	21.1 ± 2.1 (15)	21.1 ± 3.4 (11)	22.1 ± 4.7 (10)	24.7 ± 3.4 (14)	25.9 ± 2.9 (14)	21.5 ± 2.0 (13)	26.8 ± 3.9 (16)
o3rate	1983	25.5 ± 3.4 (11)	25.7 ± 2.7 (15)	32.3 ± 4.0 (10)	26.7 ± 3.1 (15)	27.2 ± 2.7 (14)	28.0 ± 2.9 (17)	25.3 ± 2.9 (16)
o3rate	1984	18.8 ± 2.9 (15)	23.2 ± 2.7 (15)	25.7 ± 2.5 (9)	28.6 ± 3.2 (14)	27.3 ± 2.5 (17)	28.0 ± 3.7 (18)	20.2 ± 1.9 (18)
o3rate	1985	21.4 ± 2.2 (17)	20.9 ± 3.1 (16)	23.2 ± 2.3 (13)	24.1 ± 2.7 (14)	24.5 ± 2.7 (14)	24.3 ± 2.9 (16)	25.3 ± 2.4 (18)
o3rate	1986	21.4 ± 2.6 (16)	21.4 ± 2.0 (15)	25.1 ± 2.5 (14)	22.8 ± 2.2 (13)	23.5 ± 2.7 (15)	21.1 ± 2.9 (17)	22.2 ± 2.5 (17)
o3rate	1987	20.2 ± 1.7 (16)	18.4 ± 1.2 (17)	24.5 ± 3.5 (8)	21.2 ± 2.4 (14)	20.4 ± 2.6 (14)	22.9 ± 2.0 (14)	19.9 ± 2.0 (16)
o3rate	1988	17.1 ± 2.1 (12)	21.2 ± 2.9 (15)	29.8 ± 2.9 (10)	19.6 ± 2.4 (14)	24.7 ± 2.4 (18)	25.4 ± 2.0 (18)	22.3 ± 2.1 (15)
o3rate	1989	19.8 ± 2.0 (15)	19.7 ± 2.0 (17)	23.2 ± 1.9 (15)	22.4 ± 3.7 (10)	20.4 ± 1.7 (14)	17.6 ± 1.6 (18)	18.0 ± 2.0 (18)
o3rate	1990	18.4 ± 1.8 (15)	21.6 ± 2.4 (16)	22.6 ± 3.3 (12)	18.0 ± 2.7 (14)	20.1 ± 2.1 (16)	21.0 ± 3.0 (16)	19.9 ± 2.1 (18)
o3rate	1991	21.9 ± 1.6 (16)	20.0 ± 2.2 (15)	18.4 ± 2.4 (16)	17.3 ± 2.0 (16)	19.2 ± 2.2 (16)	18.9 ± 2.4 (16)	21.5 ± 2.1 (17)
o3rate	1992	18.4 ± 1.6 (16)	18.2 ± 2.1 (17)	16.6 ± 2.1 (13)	19.7 ± 2.5 (12)	18.9 ± 1.9 (16)	16.2 ± 2.4 (13)	21.5 ± 2.3 (14)
o3rate	1993	20.1 ± 2.3 (12)	16.7 ± 2.0 (13)	18.1 ± 1.6 (14)	16.5 ± 1.5 (17)	17.8 ± 1.7 (14)	16.1 ± 2.0 (15)	20.7 ± 2.2 (14)
o3rate	1994	20.4 ± 1.6 (13)	19.2 ± 1.7 (12)	16.1 ± 1.5 (13)	19.5 ± 2.2 (15)	19.2 ± 1.8 (17)	20.5 ± 1.9 (16)	22.3 ± 1.8 (16)
o3rate	1995	17.9 ± 1.2 (16)	14.5 ± 1.7 (16)	19.1 ± 2.3 (14)	15.9 ± 1.8 (16)	14.5 ± 2.2 (13)	15.9 ± 2.0 (15)	21.1 ± 2.9 (15)
o3rate	1996	15.9 ± 1.8 (15)	14.5 ± 1.8 (16)	11.8 ± 1.4 (16)	13.4 ± 2.2 (15)	15.2 ± 2.2 (17)	12.9 ± 1.3 (15)	17.0 ± 1.5 (17)
o3rate	1997	13.9 ± 1.6 (16)	9.8 ± 1.3 (18)	11.7 ± 1.5 (16)	14.6 ± 1.6 (17)	12.1 ± 1.3 (16)	11.3 ± 1.4 (16)	13.1 ± 1.5 (15)
o3rate	1998	17.3 ± 2.0 (14)	12.1 ± 1.5 (17)	12.2 ± 2.1 (18)	11.8 ± 1.8 (17)	12.4 ± 1.7 (15)	12.6 ± 1.9 (16)	14.9 ± 2.2 (15)
o3rate	81-84	21.9 ± 1.3 (56)	24.6 ± 1.4 (54)	27.5 ± 1.8 (39)	27.4 ± 1.6 (55)	28.2 ± 1.3 (59)	27.0 ± 1.5 (63)	24.6 ± 1.4 (64)
o3rate	84-89	20.1 ± 1.0 (76)	20.3 ± 1.0 (80)	24.9 ± 1.1 (60)	22.0 ± 1.2 (65)	22.8 ± 1.1 (75)	22.2 ± 1.1 (83)	21.5 ± 1.0 (84)
o3rate	90-94	19.8 ± 0.8 (72)	19.2 ± 1.0 (73)	18.3 ± 1.0 (68)	18.1 ± 0.9 (74)	19.1 ± 0.9 (79)	18.7 ± 1.1 (76)	21.2 ± 0.9 (79)
o3rate	95-98	16.2 ± 0.8 (61)	12.6 ± 0.8 (67)	13.5 ± 1.0 (64)	13.9 ± 0.9 (65)	13.6 ± 0.9 (61)	13.1 ± 0.8 (62)	16.5 ± 1.1 (62)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameter by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
o3max	1981	157 ± 13 (17)	174 ± 13 (18)	193 ± 12 (18)	201 ± 12 (18)	189 ± 13 (17)	175 ± 13 (17)	175 ± 7 (17)
o3max	1982	154 ± 13 (17)	161 ± 13 (17)	171 ± 17 (18)	166 ± 20 (18)	190 ± 17 (18)	180 ± 17 (17)	168 ± 13 (17)
o3max	1983	139 ± 16 (16)	137 ± 14 (17)	153 ± 20 (17)	147 ± 15 (18)	159 ± 16 (18)	144 ± 21 (18)	148 ± 18 (16)
o3max	1984	169 ± 13 (18)	162 ± 10 (17)	162 ± 17 (17)	163 ± 16 (17)	148 ± 13 (17)	178 ± 13 (18)	170 ± 12 (18)
o3max	1985	115 ± 12 (17)	144 ± 16 (18)	162 ± 14 (17)	161 ± 19 (17)	156 ± 15 (17)	163 ± 15 (17)	141 ± 13 (18)
o3max	1986	149 ± 10 (18)	140 ± 9 (18)	147 ± 13 (18)	163 ± 12 (17)	160 ± 15 (17)	167 ± 14 (17)	161 ± 13 (17)
o3max	1987	128 ± 10 (17)	133 ± 13 (18)	143 ± 10 (18)	145 ± 12 (18)	144 ± 11 (17)	145 ± 14 (17)	139 ± 12 (17)
o3max	1988	142 ± 9 (17)	159 ± 10 (17)	154 ± 10 (17)	157 ± 9 (18)	144 ± 9 (18)	145 ± 11 (18)	142 ± 8 (17)
o3max	1989	122 ± 13 (17)	134 ± 12 (17)	149 ± 13 (17)	143 ± 13 (17)	157 ± 10 (18)	160 ± 5 (18)	139 ± 10 (18)
o3max	1990	145 ± 12 (18)	142 ± 14 (17)	154 ± 13 (17)	158 ± 11 (17)	143 ± 11 (17)	129 ± 12 (18)	131 ± 12 (18)
o3max	1991	133 ± 9 (18)	151 ± 10 (18)	142 ± 11 (17)	124 ± 10 (17)	136 ± 8 (17)	137 ± 13 (17)	139 ± 8 (18)
o3max	1992	149 ± 12 (17)	124 ± 9 (18)	124 ± 8 (18)	124 ± 9 (18)	126 ± 8 (17)	133 ± 8 (17)	139 ± 12 (17)
o3max	1993	128 ± 10 (16)	114 ± 10 (17)	116 ± 7 (17)	128 ± 7 (17)	126 ± 12 (17)	115 ± 12 (16)	126 ± 11 (16)
o3max	1994	121 ± 7 (17)	109 ± 6 (17)	125 ± 6 (17)	129 ± 8 (18)	131 ± 9 (18)	139 ± 9 (18)	131 ± 7 (17)
o3max	1995	126 ± 6 (17)	114 ± 5 (17)	121 ± 7 (17)	128 ± 10 (17)	130 ± 10 (18)	130 ± 9 (18)	132 ± 7 (18)
o3max	1996	126 ± 6 (18)	110 ± 7 (18)	115 ± 6 (17)	111 ± 7 (17)	103 ± 9 (17)	112 ± 6 (17)	123 ± 7 (18)
o3max	1997	108 ± 7 (14)	99 ± 6 (15)	102 ± 7 (16)	100 ± 6 (16)	106 ± 9 (16)	96 ± 6 (15)	114 ± 8 (14)
o3max	1998	103 ± 10 (17)	89 ± 8 (18)	91 ± 9 (18)	99 ± 8 (18)	90 ± 9 (17)	89 ± 8 (17)	101 ± 10 (17)
o3max	81-84	143 ± 7 (68)	151 ± 6 (69)	162 ± 8 (70)	159 ± 8 (71)	163 ± 8 (70)	166 ± 8 (70)	156 ± 7 (68)
o3max	84-89	137 ± 5 (86)	142 ± 6 (88)	150 ± 5 (87)	153 ± 6 (87)	150 ± 5 (87)	149 ± 6 (87)	143 ± 5 (87)
o3max	90-94	132 ± 5 (86)	122 ± 5 (87)	126 ± 4 (86)	127 ± 4 (87)	130 ± 4 (86)	131 ± 5 (86)	134 ± 5 (86)
o3max	95-98	113 ± 4 (66)	100 ± 3 (68)	100 ± 4 (68)	99 ± 4 (68)	98 ± 5 (68)	99 ± 4 (67)	114 ± 4 (67)
34no2	1981	47 ± 4 (15)	39 ± 4 (16)	46 ± 3 (16)	44 ± 5 (16)	52 ± 6 (15)	53 ± 6 (15)	48 ± 4 (13)
34no2	1982	35 ± 4 (16)	34 ± 4 (16)	35 ± 3 (17)	35 ± 5 (17)	43 ± 6 (18)	45 ± 6 (17)	41 ± 6 (16)
34no2	1983	41 ± 7 (16)	42 ± 6 (16)	48 ± 5 (16)	41 ± 4 (18)	39 ± 4 (18)	39 ± 4 (18)	54 ± 5 (16)
34no2	1984	36 ± 4 (18)	35 ± 5 (17)	42 ± 4 (17)	45 ± 4 (17)	44 ± 4 (17)	41 ± 4 (18)	47 ± 4 (18)
34no2	1985	43 ± 6 (17)	40 ± 4 (18)	41 ± 6 (17)	38 ± 4 (17)	41 ± 5 (17)	46 ± 5 (17)	49 ± 5 (18)
34no2	1986	29 ± 3 (18)	29 ± 3 (18)	33 ± 3 (18)	30 ± 4 (17)	34 ± 4 (17)	35 ± 4 (17)	37 ± 4 (17)
34no2	1987	26 ± 3 (17)	25 ± 3 (18)	28 ± 3 (18)	36 ± 4 (18)	29 ± 4 (16)	28 ± 5 (16)	26 ± 4 (17)
34no2	1988	35 ± 4 (15)	33 ± 3 (15)	39 ± 3 (14)	42 ± 4 (16)	43 ± 3 (16)	49 ± 5 (16)	46 ± 5 (15)
34no2	1989	34 ± 5 (17)	37 ± 5 (17)	44 ± 6 (17)	37 ± 3 (17)	41 ± 4 (18)	37 ± 4 (18)	39 ± 5 (18)
34no2	1990	41 ± 4 (18)	39 ± 4 (17)	42 ± 5 (17)	41 ± 6 (17)	34 ± 4 (17)	37 ± 4 (18)	39 ± 2 (18)
34no2	1991	33 ± 3 (18)	32 ± 2 (18)	37 ± 4 (17)	41 ± 4 (17)	37 ± 4 (17)	38 ± 5 (17)	38 ± 3 (18)
34no2	1992	35 ± 4 (17)	35 ± 4 (17)	36 ± 4 (18)	35 ± 4 (17)	38 ± 3 (16)	34 ± 4 (17)	33 ± 4 (17)
34no2	1993	29 ± 3 (13)	26 ± 2 (14)	34 ± 2 (14)	34 ± 3 (14)	32 ± 4 (13)	32 ± 4 (13)	31 ± 4 (13)
34no2	1994	34 ± 3 (17)	32 ± 3 (17)	38 ± 4 (17)	38 ± 4 (18)	40 ± 3 (18)	43 ± 4 (17)	40 ± 3 (17)
34no2	1995	33 ± 3 (17)	32 ± 3 (17)	34 ± 3 (17)	35 ± 3 (17)	32 ± 4 (18)	34 ± 3 (18)	36 ± 4 (18)
34no2	1996	35 ± 4 (17)	28 ± 4 (16)	33 ± 3 (16)	31 ± 4 (16)	31 ± 4 (16)	30 ± 3 (17)	35 ± 4 (17)
34no2	1997	27 ± 5 (12)	27 ± 3 (13)	30 ± 3 (14)	32 ± 4 (14)	27 ± 3 (14)	26 ± 4 (14)	28 ± 4 (12)
34no2	1998	27 ± 4 (17)	26 ± 3 (18)	26 ± 3 (18)	26 ± 3 (18)	24 ± 3 (17)	27 ± 4 (17)	30 ± 3 (17)
34no2	81-84	39 ± 2 (65)	37 ± 2 (65)	43 ± 2 (66)	41 ± 2 (68)	44 ± 3 (68)	44 ± 2 (68)	47 ± 2 (63)
34no2	84-89	33 ± 2 (84)	33 ± 2 (86)	37 ± 2 (84)	36 ± 2 (85)	38 ± 2 (84)	39 ± 2 (84)	40 ± 2 (85)
34no2	90-94	35 ± 2 (83)	33 ± 2 (83)	37 ± 2 (83)	38 ± 2 (83)	36 ± 2 (81)	37 ± 2 (82)	37 ± 1 (83)
34no2	95-98	31 ± 2 (63)	28 ± 2 (64)	31 ± 2 (65)	31 ± 2 (65)	29 ± 2 (65)	29 ± 2 (66)	33 ± 2 (64)
34no	1981	37 ± 7 (15)	49 ± 8 (16)	56 ± 8 (16)	52 ± 8 (16)	56 ± 12 (15)	51 ± 8 (15)	63 ± 12 (13)
34no	1982	18 ± 4 (16)	14 ± 4 (16)	24 ± 6 (17)	34 ± 7 (17)	37 ± 8 (18)	42 ± 8 (17)	41 ± 10 (16)
34no	1983	13 ± 3 (16)	21 ± 6 (16)	30 ± 6 (16)	31 ± 6 (18)	26 ± 7 (18)	32 ± 6 (18)	24 ± 5 (16)
34no	1984	18 ± 7 (18)	21 ± 8 (17)	38 ± 11 (17)	40 ± 8 (17)	36 ± 9 (17)	31 ± 8 (18)	32 ± 7 (18)
34no	1985	27 ± 7 (17)	32 ± 9 (18)	32 ± 8 (17)	30 ± 8 (17)	31 ± 7 (17)	49 ± 9 (17)	49 ± 10 (18)
34no	1986	19 ± 5 (18)	27 ± 7 (18)	27 ± 8 (18)	34 ± 8 (17)	39 ± 7 (17)	31 ± 7 (17)	32 ± 5 (17)
34no	1987	22 ± 5 (17)	31 ± 6 (18)	29 ± 8 (18)	34 ± 8 (18)	31 ± 7 (16)	28 ± 7 (16)	24 ± 8 (17)
34no	1988	22 ± 5 (15)	28 ± 7 (15)	36 ± 9 (14)	38 ± 9 (16)	38 ± 10 (16)	35 ± 10 (16)	20 ± 4 (15)
34no	1989	19 ± 5 (17)	31 ± 6 (17)	49 ± 12 (17)	36 ± 8 (17)	41 ± 10 (18)	47 ± 10 (18)	38 ± 8 (18)
34no	1990	22 ± 7 (18)	37 ± 12 (17)	41 ± 9 (17)	44 ± 12 (17)	31 ± 9 (17)	25 ± 6 (18)	37 ± 9 (18)
34no	1991	18 ± 5 (18)	21 ± 5 (18)	20 ± 7 (17)	19 ± 5 (17)	22 ± 7 (17)	21 ± 7 (17)	18 ± 7 (18)
34no	1992	19 ± 6 (17)	34 ± 8 (17)	27 ± 6 (18)	36 ± 8 (17)	42 ± 9 (16)	27 ± 7 (17)	32 ± 9 (17)
34no	1993	12 ± 4 (13)	11 ± 4 (14)	24 ± 7 (14)	26 ± 8 (14)	16 ± 7 (13)	18 ± 5 (13)	12 ± 5 (13)
34no	1994	19 ± 6 (17)	23 ± 7 (17)	36 ± 7 (17)	38 ± 8 (18)	50 ± 11 (18)	52 ± 10 (17)	28 ± 8 (17)
34no	1995	23 ± 6 (17)	40 ± 9 (17)	44 ± 11 (17)	31 ± 7 (17)	39 ± 8 (18)	45 ± 9 (18)	42 ± 9 (18)
34no	1996	28 ± 9 (17)	27 ± 9 (17)	31 ± 7 (16)	27 ± 9 (16)	23 ± 7 (16)	31 ± 7 (17)	39 ± 9 (17)
34no	1997	22 ± 8 (12)	32 ± 9 (13)	26 ± 10 (14)	34 ± 10 (14)	29 ± 9 (14)	28 ± 11 (14)	27 ± 11 (12)
34no	1998	13 ± 4 (17)	32 ± 7 (18)	22 ± 6 (18)	23 ± 6 (18)	38 ± 9 (17)	45 ± 12 (17)	36 ± 8 (17)
34no	81-84	21 ± 3 (65)	26 ± 4 (65)	37 ± 4 (66)	39 ± 4 (68)	38 ± 5 (68)	38 ± 4 (68)	39 ± 5 (63)
34no	84-89	22 ± 2 (84)	30 ± 3 (86)	35 ± 4 (84)	34 ± 4 (85)	36 ± 4 (84)	38 ± 4 (84)	33 ± 3 (85)
34no	90-94	18 ± 3 (83)	25 ± 4 (83)	30 ± 3 (83)	33 ± 4 (83)	33 ± 4 (81)	29 ± 3 (82)	26 ± 4 (83)
34no	95-98	21 ± 3 (63)	33 ± 4 (65)	31 ± 4 (65)	28 ± 4 (65)	33 ± 4 (65)	38 ± 5 (66)	37 ± 5 (64)
34no2_nox	1981	0.59 ± 0.04 (15)	0.49 ± 0.04 (16)	0.51 ± 0.05 (16)	0.52 ± 0.05 (16)	0.55 ± 0.05 (15)	0.54 ± 0.05 (15)	0.49 ± 0.05 (13)
34no2_nox	1982	0.72 ± 0.05 (16)	0.78 ± 0.06 (16)	0.68 ± 0.07 (18)	0.56 ± 0.08 (17)	0.66 ± 0.07 (18)	0.61 ± 0.07 (17)	0.61 ± 0.07 (16)
34no2_nox	1983	0.79 ± 0.05 (16)	0.76 ± 0.05 (16)	0.67 ± 0.05 (16)	0.67 ± 0.06 (18)	0.72 ± 0.05 (18)	0.64 ± 0.06 (18)	0.73 ± 0.05 (16)
34no2_nox	1984	0.80 ± 0.05 (18)	0.78 ± 0.06 (17)	0.66 ± 0.06 (17)	0.62 ± 0.05 (17)	0.64 ± 0.05 (17)	0.69 ± 0.05 (18)	0.68 ± 0.05 (18)
34no2_nox	1985	0.70 ± 0.04 (17)	0.67 ± 0.05 (18)	0.65 ± 0.06 (17)	0.65 ± 0.06 (17)	0.66 ± 0.06 (17)	0.55 ± 0.05 (17)	0.60 ± 0.05 (18)
34no2_nox	1986	0.71 ± 0.05 (18)	0.64 ± 0.07 (18)	0.67 ± 0.06 (18)	0.59 ± 0.07 (15)	0.50 ± 0.04 (16)	0.65 ± 0.07 (17)	0.58 ± 0.05 (17)
34no2_nox	1987	0.64 ± 0.06 (15)	0.53 ± 0.06 (17)	0.63 ± 0.07 (18)	0.61 ± 0.06 (18)	0.57 ± 0.08 (16)	0.60 ± 0.07 (15)	0.67 ± 0.08 (16)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameter by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
34no2_nox	1988	0.68 ± 0.04 (15)	0.64 ± 0.06 (15)	0.63 ± 0.06 (14)	0.61 ± 0.05 (16)	0.62 ± 0.05 (16)	0.67 ± 0.05 (16)	0.73 ± 0.04 (15)
34no2_nox	1989	0.72 ± 0.05 (17)	0.60 ± 0.05 (16)	0.55 ± 0.05 (17)	0.61 ± 0.06 (17)	0.62 ± 0.05 (18)	0.58 ± 0.06 (18)	0.64 ± 0.06 (18)
34no2_nox	1990	0.76 ± 0.05 (18)	0.70 ± 0.08 (17)	0.60 ± 0.06 (17)	0.67 ± 0.07 (17)	0.66 ± 0.06 (16)	0.71 ± 0.05 (18)	0.61 ± 0.06 (18)
34no2_nox	1991	0.73 ± 0.05 (18)	0.72 ± 0.06 (18)	0.78 ± 0.05 (17)	0.77 ± 0.05 (17)	0.76 ± 0.06 (17)	0.78 ± 0.05 (17)	0.78 ± 0.05 (18)
34no2_nox	1992	0.73 ± 0.05 (17)	0.57 ± 0.04 (17)	0.65 ± 0.06 (18)	0.61 ± 0.06 (17)	0.57 ± 0.06 (16)	0.67 ± 0.06 (17)	0.68 ± 0.07 (17)
34no2_nox	1993	0.80 ± 0.05 (13)	0.79 ± 0.06 (14)	0.69 ± 0.06 (14)	0.68 ± 0.06 (14)	0.80 ± 0.06 (13)	0.77 ± 0.07 (13)	0.85 ± 0.06 (13)
34no2_nox	1994	0.76 ± 0.05 (17)	0.71 ± 0.06 (17)	0.61 ± 0.05 (17)	0.62 ± 0.06 (18)	0.60 ± 0.07 (18)	0.54 ± 0.05 (17)	0.68 ± 0.05 (17)
34no2_nox	1995	0.68 ± 0.05 (17)	0.58 ± 0.06 (17)	0.59 ± 0.07 (17)	0.60 ± 0.05 (17)	0.58 ± 0.05 (18)	0.55 ± 0.06 (18)	0.56 ± 0.05 (18)
34no2_nox	1996	0.69 ± 0.06 (17)	0.69 ± 0.07 (16)	0.64 ± 0.06 (16)	0.70 ± 0.06 (16)	0.72 ± 0.06 (16)	0.61 ± 0.06 (17)	0.61 ± 0.06 (17)
34no2_nox	1997	0.75 ± 0.08 (12)	0.65 ± 0.09 (13)	0.70 ± 0.07 (14)	0.63 ± 0.07 (14)	0.67 ± 0.08 (14)	0.74 ± 0.08 (14)	0.73 ± 0.09 (12)
34no2_nox	1998	0.77 ± 0.06 (15)	0.61 ± 0.08 (17)	0.68 ± 0.06 (18)	0.69 ± 0.06 (18)	0.59 ± 0.08 (17)	0.54 ± 0.08 (15)	0.59 ± 0.06 (17)
34no2_nox	81-84	0.73 ± 0.03 (65)	0.70 ± 0.03 (65)	0.63 ± 0.03 (67)	0.59 ± 0.03 (68)	0.65 ± 0.03 (68)	0.62 ± 0.03 (68)	0.64 ± 0.03 (63)
34no2_nox	84-89	0.69 ± 0.02 (82)	0.62 ± 0.03 (84)	0.63 ± 0.03 (84)	0.61 ± 0.03 (83)	0.60 ± 0.03 (83)	0.61 ± 0.03 (83)	0.64 ± 0.03 (84)
34no2_nox	90-94	0.75 ± 0.02 (83)	0.70 ± 0.03 (83)	0.67 ± 0.03 (83)	0.67 ± 0.03 (83)	0.67 ± 0.03 (80)	0.69 ± 0.03 (82)	0.71 ± 0.03 (83)
34no2_nox	95-98	0.72 ± 0.03 (61)	0.63 ± 0.04 (63)	0.65 ± 0.03 (65)	0.66 ± 0.03 (65)	0.63 ± 0.03 (65)	0.61 ± 0.03 (64)	0.61 ± 0.03 (64)
34nmhc	1981	387 ± 85 (13)	306 ± 55 (15)	297 ± 57 (17)	297 ± 51 (17)	349 ± 68 (16)	367 ± 70 (15)	409 ± 81 (14)
34nmhc	1982	351 ± 52 (17)	297 ± 44 (17)	302 ± 59 (18)	404 ± 58 (18)	472 ± 73 (18)	441 ± 54 (17)	513 ± 74 (17)
34nmhc	1983	368 ± 65 (16)	349 ± 62 (16)	405 ± 49 (17)	353 ± 42 (18)	319 ± 47 (18)	370 ± 46 (18)	483 ± 54 (16)
34nmhc	1984	387 ± 70 (18)	405 ± 85 (17)	463 ± 90 (16)	459 ± 72 (17)	405 ± 49 (17)	387 ± 55 (18)	506 ± 70 (18)
34nmhc	1985	387 ± 64 (17)	353 ± 60 (18)	351 ± 63 (17)	315 ± 62 (17)	351 ± 58 (17)	459 ± 76 (17)	540 ± 93 (18)
34nmhc	1986	404 ± 52 (18)	370 ± 39 (18)	404 ± 46 (18)	369 ± 49 (17)	387 ± 52 (17)	351 ± 58 (17)	495 ± 52 (17)
34nmhc	1987	459 ± 56 (17)	438 ± 44 (18)	472 ± 48 (18)	459 ± 56 (17)	444 ± 57 (16)	387 ± 52 (17)	441 ± 70 (17)
34nmhc	1988	441 ± 60 (17)	369 ± 49 (17)	423 ± 36 (17)	489 ± 65 (18)	506 ± 50 (18)	506 ± 44 (18)	459 ± 62 (17)
34nmhc	1989	369 ± 81 (17)	351 ± 52 (17)	495 ± 83 (17)	423 ± 58 (17)	455 ± 63 (18)	455 ± 63 (18)	506 ± 82 (18)
34nmhc	1990	404 ± 67 (18)	333 ± 60 (17)	459 ± 72 (17)	423 ± 69 (17)	369 ± 55 (17)	387 ± 55 (18)	506 ± 70 (18)
34nmhc	1991	404 ± 52 (18)	285 ± 43 (18)	369 ± 72 (17)	333 ± 54 (17)	333 ± 54 (17)	351 ± 63 (17)	387 ± 55 (18)
34nmhc	1992	477 ± 68 (17)	438 ± 51 (18)	404 ± 63 (18)	421 ± 60 (18)	477 ± 44 (17)	369 ± 49 (17)	405 ± 67 (17)
34nmhc	1993	425 ± 88 (16)	333 ± 54 (17)	369 ± 61 (17)	405 ± 61 (17)	387 ± 64 (17)	349 ± 62 (16)	406 ± 94 (16)
34nmhc	1994	500 ± 70 (17)	378 ± 42 (17)	439 ± 51 (17)	494 ± 49 (18)	523 ± 49 (18)	594 ± 59 (17)	502 ± 52 (17)
34nmhc	1995	459 ± 48 (17)	409 ± 35 (17)	400 ± 41 (17)	369 ± 34 (17)	397 ± 52 (18)	445 ± 45 (18)	501 ± 52 (18)
34nmhc	1996	443 ± 70 (17)	290 ± 38 (17)	305 ± 36 (16)	324 ± 43 (17)	339 ± 41 (17)	364 ± 43 (17)	446 ± 51 (18)
34nmhc	1997	320 ± 42 (14)	232 ± 27 (15)	265 ± 39 (16)	290 ± 42 (16)	229 ± 32 (16)	275 ± 51 (15)	278 ± 52 (14)
34nmhc	1998	355 ± 45 (17)	318 ± 29 (18)	289 ± 33 (18)	294 ± 34 (18)	317 ± 40 (17)	346 ± 45 (17)	393 ± 44 (17)
34nmhc	81-84	373 ± 33 (64)	340 ± 32 (65)	365 ± 33 (68)	378 ± 28 (70)	387 ± 30 (69)	392 ± 28 (68)	481 ± 35 (65)
34nmhc	84-89	412 ± 28 (86)	377 ± 22 (88)	429 ± 26 (87)	412 ± 26 (86)	430 ± 25 (86)	433 ± 27 (87)	489 ± 33 (87)
34nmhc	90-94	441 ± 30 (86)	354 ± 23 (87)	408 ± 28 (86)	416 ± 26 (87)	419 ± 25 (86)	410 ± 27 (85)	442 ± 30 (86)
34nmhc	95-98	397 ± 27 (65)	315 ± 18 (67)	315 ± 19 (67)	319 ± 19 (68)	323 ± 22 (68)	361 ± 24 (67)	412 ± 26 (67)
67no	1981	46 ± 6 (16)	99 ± 18 (17)	111 ± 18 (16)	97 ± 19 (16)	106 ± 21 (15)	94 ± 19 (15)	82 ± 14 (16)
67no	1982	26 ± 5 (16)	57 ± 14 (16)	72 ± 17 (17)	67 ± 17 (17)	77 ± 17 (18)	90 ± 20 (17)	49 ± 11 (16)
67no	1983	23 ± 6 (16)	66 ± 17 (16)	93 ± 16 (16)	93 ± 21 (18)	73 ± 18 (18)	73 ± 14 (18)	43 ± 10 (16)
67no	1984	26 ± 7 (18)	45 ± 14 (17)	82 ± 22 (17)	96 ± 21 (17)	114 ± 24 (17)	88 ± 23 (18)	61 ± 13 (18)
67no	1985	35 ± 8 (17)	68 ± 19 (18)	79 ± 19 (17)	89 ± 21 (17)	84 ± 15 (17)	101 ± 21 (17)	70 ± 15 (18)
67no	1986	26 ± 5 (18)	74 ± 17 (18)	67 ± 19 (18)	55 ± 14 (17)	77 ± 18 (17)	96 ± 20 (17)	50 ± 8 (17)
67no	1987	31 ± 7 (17)	76 ± 15 (18)	75 ± 21 (18)	81 ± 17 (18)	83 ± 25 (16)	51 ± 14 (16)	39 ± 12 (17)
67no	1988	31 ± 7 (15)	69 ± 19 (15)	84 ± 23 (14)	73 ± 18 (16)	76 ± 20 (16)	76 ± 22 (16)	31 ± 7 (15)
67no	1989	23 ± 6 (17)	56 ± 13 (17)	98 ± 28 (17)	111 ± 24 (17)	100 ± 27 (18)	107 ± 24 (18)	56 ± 14 (18)
67no	1990	28 ± 8 (18)	78 ± 23 (17)	115 ± 25 (17)	104 ± 27 (17)	79 ± 21 (17)	76 ± 19 (18)	61 ± 11 (18)
67no	1991	30 ± 8 (18)	56 ± 15 (18)	56 ± 18 (17)	65 ± 19 (17)	61 ± 19 (17)	55 ± 16 (17)	32 ± 10 (18)
67no	1992	24 ± 8 (17)	77 ± 16 (18)	71 ± 16 (18)	75 ± 21 (15)	84 ± 18 (16)	67 ± 18 (16)	56 ± 15 (17)
67no	1993	16 ± 5 (13)	25 ± 7 (14)	54 ± 13 (14)	66 ± 19 (14)	43 ± 14 (13)	40 ± 12 (13)	26 ± 12 (13)
67no	1994	25 ± 5 (17)	62 ± 16 (17)	87 ± 17 (17)	95 ± 20 (18)	97 ± 22 (18)	98 ± 19 (17)	50 ± 9 (17)
67no	1995	31 ± 5 (17)	74 ± 15 (17)	79 ± 17 (17)	69 ± 15 (17)	80 ± 17 (18)	103 ± 15 (18)	60 ± 11 (18)
67no	1996	27 ± 9 (17)	54 ± 15 (17)	74 ± 18 (16)	44 ± 13 (15)	50 ± 16 (15)	52 ± 11 (17)	51 ± 12 (17)
67no	1997	37 ± 12 (12)	74 ± 25 (13)	79 ± 20 (14)	93 ± 20 (14)	70 ± 17 (14)	63 ± 21 (14)	55 ± 18 (12)
67no	1998	28 ± 7 (17)	53 ± 13 (18)	44 ± 10 (18)	50 ± 12 (18)	63 ± 17 (16)	76 ± 20 (17)	53 ± 13 (17)
67no	81-84	30 ± 3 (66)	67 ± 8 (66)	89 ± 9 (66)	88 ± 10 (68)	91 ± 10 (68)	86 ± 9 (68)	59 ± 6 (66)
67no	84-89	29 ± 3 (84)	69 ± 7 (86)	80 ± 10 (84)	82 ± 9 (85)	84 ± 9 (84)	87 ± 9 (84)	50 ± 5 (85)
67no	90-94	25 ± 3 (83)	61 ± 8 (84)	78 ± 8 (83)	81 ± 10 (81)	75 ± 9 (81)	69 ± 8 (81)	46 ± 5 (83)
67no	95-98	30 ± 4 (63)	63 ± 8 (65)	68 ± 8 (65)	63 ± 8 (64)	66 ± 8 (63)	74 ± 9 (66)	55 ± 6 (64)
67no2	1981	49 ± 5 (16)	51 ± 5 (17)	56 ± 5 (16)	51 ± 6 (16)	62 ± 7 (15)	59 ± 6 (15)	59 ± 6 (16)
67no2	1982	41 ± 5 (16)	39 ± 4 (16)	43 ± 6 (17)	42 ± 5 (17)	51 ± 7 (18)	50 ± 6 (16)	48 ± 7 (16)
67no2	1983	39 ± 5 (16)	47 ± 5 (16)	56 ± 6 (16)	51 ± 5 (18)	47 ± 6 (18)	46 ± 5 (18)	54 ± 5 (16)
67no2	1984	35 ± 4 (18)	41 ± 6 (17)	48 ± 6 (17)	52 ± 6 (17)	49 ± 5 (17)	49 ± 5 (18)	46 ± 5 (18)
67no2	1985	44 ± 5 (17)	43 ± 6 (18)	45 ± 6 (17)	47 ± 5 (17)	52 ± 6 (17)	53 ± 6 (17)	56 ± 6 (18)
67no2	1986	33 ± 5 (18)	38 ± 4 (18)	40 ± 4 (18)	38 ± 4 (17)	43 ± 5 (17)	49 ± 7 (17)	41 ± 4 (17)
67no2	1987	27 ± 4 (17)	32 ± 3 (18)	33 ± 5 (18)	41 ± 5 (18)	36 ± 5 (16)	34 ± 6 (16)	29 ± 5 (17)
67no2	1988	38 ± 5 (15)	39 ± 3 (15)	44 ± 3 (14)	53 ± 5 (16)	51 ± 5 (16)	54 ± 5 (16)	45 ± 6 (15)
67no2	1989	38 ± 5 (17)	46 ± 6 (17)	52 ± 6 (17)	51 ± 5 (17)	51 ± 6 (18)	47 ± 5 (18)	44 ± 5 (18)
67no2	1990	38 ± 5 (18)	48 ± 5 (17)	59 ± 7 (17)	54 ± 6 (17)	46 ± 5 (17)	51 ± 5 (18)	51 ± 4 (18)
67no2	1991	32 ± 3 (18)	39 ± 3 (18)	42 ± 4 (17)	41 ± 4 (17)	39 ± 5 (17)	46 ± 4 (17)	38 ± 4 (18)
67no2	1992	32 ± 5 (17)	46 ± 5 (18)	43 ± 4 (18)	39 ± 4 (15)	45 ± 3 (16)	39 ± 4 (16)	37 ± 3 (17)
67no2	1993	29 ± 4 (13)	31 ± 3 (14)	37 ± 4 (14)	41 ± 4 (14)	36 ± 5 (13)	33 ± 4 (13)	35 ± 5 (13)
67no2	1994	35 ± 4 (17)	40 ± 4 (17)	45 ± 4 (17)	48 ± 4 (18)	47 ± 4 (18)	52 ± 5 (17)	44 ± 4 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameter by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
67no2	1995	38 ± 3 (17)	40 ± 4 (17)	42 ± 4 (17)	39 ± 3 (17)	39 ± 5 (18)	43 ± 4 (18)	38 ± 3 (18)
67no2	1996	35 ± 5 (17)	35 ± 5 (17)	41 ± 4 (16)	39 ± 5 (15)	38 ± 5 (15)	36 ± 4 (17)	40 ± 4 (17)
67no2	1997	31 ± 4 (12)	33 ± 5 (13)	38 ± 4 (14)	42 ± 5 (14)	36 ± 3 (14)	34 ± 5 (14)	34 ± 4 (12)
67no2	1998	30 ± 4 (17)	31 ± 4 (18)	32 ± 4 (18)	30 ± 3 (18)	31 ± 4 (16)	31 ± 5 (17)	33 ± 4 (17)
67no2	81-84	41 ± 2 (66)	45 ± 3 (66)	51 ± 3 (66)	49 ± 3 (68)	52 ± 3 (68)	51 ± 3 (67)	51 ± 3 (66)
67no2	84-89	36 ± 2 (84)	40 ± 2 (86)	43 ± 2 (84)	46 ± 2 (85)	47 ± 3 (84)	47 ± 3 (84)	43 ± 2 (85)
67no2	90-94	34 ± 2 (83)	41 ± 2 (84)	46 ± 2 (83)	45 ± 2 (81)	43 ± 2 (81)	45 ± 2 (81)	41 ± 2 (83)
67no2	95-98	33 ± 2 (63)	35 ± 2 (65)	38 ± 2 (65)	37 ± 2 (64)	36 ± 2 (63)	36 ± 2 (66)	37 ± 2 (64)
67co	1981	0.8 ± 0.2 (17)	1.6 ± 0.4 (18)	1.6 ± 0.3 (18)	1.6 ± 0.3 (17)	1.7 ± 0.4 (16)	1.8 ± 0.3 (17)	1.4 ± 0.3 (17)
67co	1982	1.1 ± 0.2 (17)	1.6 ± 0.3 (17)	2.1 ± 0.4 (18)	2.0 ± 0.3 (18)	2.0 ± 0.4 (18)	2.1 ± 0.3 (17)	1.6 ± 0.3 (17)
67co	1983	1.0 ± 0.2 (16)	1.6 ± 0.4 (16)	2.3 ± 0.3 (17)	2.0 ± 0.4 (18)	1.7 ± 0.3 (18)	1.8 ± 0.3 (18)	1.7 ± 0.3 (16)
67co	1984	0.9 ± 0.2 (18)	1.5 ± 0.4 (17)	2.2 ± 0.5 (16)	2.5 ± 0.4 (17)	2.6 ± 0.5 (17)	2.2 ± 0.4 (18)	1.8 ± 0.3 (18)
67co	1985	1.2 ± 0.3 (17)	1.8 ± 0.3 (18)	2.0 ± 0.4 (17)	1.9 ± 0.4 (17)	1.9 ± 0.3 (17)	2.4 ± 0.4 (17)	1.9 ± 0.3 (18)
67co	1986	1.2 ± 0.2 (18)	1.9 ± 0.3 (18)	1.9 ± 0.3 (18)	1.6 ± 0.3 (17)	2.0 ± 0.4 (17)	2.4 ± 0.4 (17)	1.6 ± 0.3 (17)
67co	1987	1.4 ± 0.3 (17)	2.5 ± 0.3 (18)	2.3 ± 0.4 (18)	2.5 ± 0.4 (17)	2.3 ± 0.5 (16)	1.6 ± 0.3 (17)	1.5 ± 0.3 (17)
67co	1988	1.3 ± 0.2 (17)	1.8 ± 0.3 (17)	2.4 ± 0.4 (17)	2.4 ± 0.5 (18)	2.3 ± 0.4 (18)	2.5 ± 0.5 (18)	1.5 ± 0.3 (17)
67co	1989	1.1 ± 0.2 (17)	1.9 ± 0.4 (17)	2.4 ± 0.5 (17)	2.8 ± 0.5 (17)	2.4 ± 0.5 (18)	2.3 ± 0.4 (18)	1.8 ± 0.3 (18)
67co	1990	1.1 ± 0.2 (18)	1.9 ± 0.4 (17)	2.7 ± 0.5 (17)	2.6 ± 0.5 (16)	2.0 ± 0.5 (17)	2.2 ± 0.4 (18)	1.9 ± 0.3 (18)
67co	1991	1.2 ± 0.2 (18)	1.6 ± 0.3 (18)	1.6 ± 0.4 (17)	1.7 ± 0.4 (17)	1.5 ± 0.4 (17)	1.8 ± 0.4 (17)	1.2 ± 0.2 (18)
67co	1992	1.3 ± 0.3 (17)	2.2 ± 0.3 (18)	1.9 ± 0.4 (18)	2.2 ± 0.4 (18)	2.4 ± 0.3 (17)	1.8 ± 0.3 (17)	1.7 ± 0.3 (17)
67co	1993	1.0 ± 0.3 (16)	1.3 ± 0.4 (17)	1.9 ± 0.3 (16)	1.9 ± 0.4 (17)	1.9 ± 0.4 (17)	1.9 ± 0.4 (16)	1.6 ± 0.4 (16)
67co	1994	1.4 ± 0.2 (17)	1.9 ± 0.3 (17)	2.5 ± 0.4 (17)	2.6 ± 0.4 (18)	2.5 ± 0.4 (18)	2.7 ± 0.3 (17)	1.9 ± 0.2 (17)
67co	1995	1.4 ± 0.1 (17)	1.9 ± 0.2 (17)	2.0 ± 0.3 (17)	1.8 ± 0.3 (17)	1.9 ± 0.3 (18)	2.5 ± 0.3 (18)	1.7 ± 0.2 (18)
67co	1996	1.0 ± 0.2 (17)	1.3 ± 0.2 (17)	1.6 ± 0.3 (16)	1.5 ± 0.3 (17)	1.7 ± 0.3 (17)	1.4 ± 0.2 (17)	1.6 ± 0.2 (18)
67co	1997	1.0 ± 0.2 (14)	1.2 ± 0.3 (15)	1.4 ± 0.3 (16)	1.6 ± 0.3 (16)	1.2 ± 0.2 (16)	1.1 ± 0.3 (15)	1.2 ± 0.2 (14)
67co	1998	1.1 ± 0.2 (17)	1.3 ± 0.2 (18)	1.2 ± 0.2 (18)	1.2 ± 0.2 (18)	1.2 ± 0.2 (17)	1.5 ± 0.3 (17)	1.3 ± 0.2 (17)
67co	81-84	1.0 ± 0.1 (68)	1.6 ± 0.2 (68)	2.0 ± 0.2 (69)	2.0 ± 0.2 (70)	2.0 ± 0.2 (69)	1.9 ± 0.2 (70)	1.6 ± 0.1 (68)
67co	84-89	1.2 ± 0.1 (86)	2.0 ± 0.1 (88)	2.2 ± 0.2 (87)	2.2 ± 0.2 (86)	2.2 ± 0.2 (86)	2.2 ± 0.2 (87)	1.7 ± 0.1 (87)
67co	90-94	1.2 ± 0.1 (86)	1.8 ± 0.2 (87)	2.1 ± 0.2 (85)	2.2 ± 0.2 (86)	2.0 ± 0.2 (86)	2.1 ± 0.2 (85)	1.7 ± 0.1 (86)
67co	95-98	1.2 ± 0.1 (65)	1.4 ± 0.1 (67)	1.5 ± 0.1 (67)	1.5 ± 0.1 (68)	1.5 ± 0.1 (68)	1.7 ± 0.1 (67)	1.5 ± 0.1 (67)
67nmhc	1981	333 ± 27 (17)	557 ± 30 (18)	574 ± 33 (18)	567 ± 33 (17)	597 ± 31 (16)	621 ± 35 (17)	495 ± 30 (17)
67nmhc	1982	423 ± 58 (17)	567 ± 87 (17)	726 ± 113 (18)	692 ± 105 (18)	692 ± 118 (18)	710 ± 100 (17)	567 ± 87 (17)
67nmhc	1983	387 ± 68 (16)	578 ± 118 (16)	782 ± 97 (17)	692 ± 113 (18)	608 ± 104 (18)	625 ± 84 (18)	597 ± 82 (16)
67nmhc	1984	353 ± 55 (18)	549 ± 114 (17)	750 ± 165 (16)	836 ± 129 (17)	872 ± 139 (17)	743 ± 129 (18)	625 ± 84 (18)
67nmhc	1985	459 ± 85 (17)	625 ± 97 (18)	692 ± 117 (17)	656 ± 117 (17)	656 ± 94 (17)	800 ± 123 (17)	658 ± 101 (18)
67nmhc	1986	438 ± 51 (18)	658 ± 89 (18)	658 ± 104 (18)	585 ± 105 (17)	692 ± 114 (17)	800 ± 117 (17)	585 ± 78 (17)
67nmhc	1987	513 ± 79 (17)	845 ± 90 (18)	777 ± 132 (18)	836 ± 120 (17)	769 ± 141 (16)	567 ± 102 (17)	549 ± 102 (17)
67nmhc	1988	477 ± 73 (17)	639 ± 102 (17)	818 ± 131 (17)	828 ± 149 (18)	777 ± 110 (18)	845 ± 142 (18)	549 ± 79 (17)
67nmhc	1989	405 ± 67 (17)	656 ± 114 (17)	800 ± 153 (17)	926 ± 147 (17)	828 ± 151 (18)	794 ± 128 (18)	625 ± 100 (18)
67nmhc	1990	404 ± 76 (18)	674 ± 137 (17)	908 ± 145 (17)	883 ± 160 (16)	692 ± 141 (17)	743 ± 126 (18)	658 ± 78 (18)
67nmhc	1991	438 ± 57 (18)	557 ± 96 (18)	585 ± 117 (17)	603 ± 107 (17)	531 ± 114 (17)	621 ± 113 (17)	438 ± 66 (18)
67nmhc	1992	477 ± 82 (17)	760 ± 100 (18)	675 ± 114 (18)	743 ± 116 (18)	800 ± 101 (17)	639 ± 105 (17)	603 ± 97 (17)
67nmhc	1993	387 ± 88 (16)	477 ± 107 (17)	654 ± 100 (16)	656 ± 111 (17)	674 ± 124 (17)	654 ± 136 (16)	578 ± 124 (16)
67nmhc	1994	506 ± 57 (17)	667 ± 94 (17)	841 ± 109 (17)	889 ± 116 (18)	831 ± 114 (18)	915 ± 99 (17)	658 ± 69 (17)
67nmhc	1995	524 ± 42 (17)	662 ± 74 (17)	692 ± 90 (17)	642 ± 85 (17)	672 ± 95 (18)	837 ± 86 (18)	604 ± 68 (18)
67nmhc	1996	394 ± 56 (17)	472 ± 73 (17)	565 ± 84 (16)	542 ± 81 (17)	594 ± 89 (17)	524 ± 62 (17)	562 ± 70 (18)
67nmhc	1997	396 ± 55 (14)	436 ± 78 (15)	505 ± 77 (16)	584 ± 80 (16)	454 ± 71 (16)	428 ± 81 (15)	435 ± 74 (14)
67nmhc	1998	425 ± 57 (17)	482 ± 59 (18)	440 ± 54 (18)	455 ± 71 (18)	461 ± 69 (17)	547 ± 89 (17)	484 ± 62 (17)
67nmhc	81-84	374 ± 30 (68)	562 ± 53 (68)	706 ± 59 (69)	697 ± 56 (70)	692 ± 60 (69)	675 ± 51 (70)	571 ± 42 (68)
67nmhc	84-89	458 ± 31 (86)	685 ± 44 (88)	749 ± 56 (87)	767 ± 58 (86)	746 ± 54 (86)	763 ± 55 (87)	594 ± 41 (87)
67nmhc	90-94	443 ± 32 (86)	628 ± 48 (87)	733 ± 53 (85)	755 ± 55 (86)	707 ± 54 (86)	715 ± 52 (85)	586 ± 39 (86)
67nmhc	95-98	436 ± 27 (65)	515 ± 36 (67)	549 ± 39 (67)	554 ± 40 (68)	548 ± 42 (68)	592 ± 44 (67)	527 ± 34 (67)
58hc_nox	1981	3.4 ± 0.6 (16)	4.0 ± 0.7 (16)	4.5 ± 0.8 (15)	4.5 ± 0.8 (14)	3.9 ± 0.5 (15)	3.7 ± 0.4 (15)	3.5 ± 0.4 (16)
58hc_nox	1982	6.5 ± 0.5 (16)	6.5 ± 0.7 (16)	6.1 ± 0.6 (17)	5.7 ± 0.3 (16)	6.1 ± 0.4 (18)	6.1 ± 0.5 (16)	6.1 ± 0.4 (16)
58hc_nox	1983	5.9 ± 0.5 (16)	6.0 ± 0.7 (16)	5.8 ± 0.5 (16)	6.3 ± 0.6 (17)	5.3 ± 0.5 (18)	5.4 ± 0.4 (18)	6.6 ± 0.5 (16)
58hc_nox	1984	6.2 ± 0.5 (18)	6.2 ± 0.5 (16)	6.7 ± 1.1 (16)	6.3 ± 0.5 (17)	5.6 ± 0.2 (17)	6.3 ± 0.4 (18)	6.2 ± 0.2 (18)
58hc_nox	1985	5.7 ± 0.7 (17)	6.1 ± 0.5 (18)	6.2 ± 0.6 (16)	5.3 ± 0.2 (17)	4.8 ± 0.4 (17)	5.1 ± 0.2 (17)	5.8 ± 0.3 (18)
58hc_nox	1986	8.6 ± 1.0 (18)	6.5 ± 0.5 (18)	7.2 ± 0.6 (18)	6.9 ± 0.5 (16)	6.7 ± 0.5 (17)	7.0 ± 1.0 (17)	7.2 ± 0.5 (17)
58hc_nox	1987	12.5 ± 2.1 (16)	11.5 ± 2.5 (18)	15.9 ± 6.2 (18)	7.8 ± 0.5 (17)	8.5 ± 1.0 (15)	8.2 ± 0.7 (16)	9.9 ± 1.0 (17)
58hc_nox	1988	8.8 ± 0.9 (15)	7.4 ± 0.7 (15)	6.9 ± 0.5 (14)	6.9 ± 0.3 (15)	6.9 ± 0.5 (16)	7.1 ± 0.4 (16)	8.3 ± 0.6 (15)
58hc_nox	1989	7.2 ± 0.5 (17)	6.2 ± 0.3 (17)	6.1 ± 0.3 (17)	6.3 ± 0.3 (17)	6.3 ± 0.6 (18)	7.4 ± 1.1 (18)	8.4 ± 1.5 (18)
58hc_nox	1990	6.2 ± 0.5 (18)	6.3 ± 0.7 (17)	7.1 ± 0.3 (17)	5.7 ± 0.3 (17)	5.4 ± 0.4 (16)	6.0 ± 0.3 (15)	5.8 ± 0.4 (18)
58hc_nox	1991	7.0 ± 0.5 (18)	6.3 ± 0.4 (18)	6.0 ± 0.3 (17)	5.8 ± 0.4 (17)	6.1 ± 0.5 (17)	6.3 ± 0.5 (17)	6.7 ± 0.6 (18)
58hc_nox	1992	9.1 ± 0.6 (17)	6.4 ± 0.4 (17)	6.6 ± 0.3 (18)	6.9 ± 0.6 (15)	7.5 ± 0.6 (16)	6.4 ± 0.4 (16)	6.7 ± 0.5 (17)
58hc_nox	1993	7.3 ± 0.4 (13)	7.3 ± 0.6 (14)	7.3 ± 0.4 (14)	6.7 ± 0.9 (14)	7.9 ± 1.1 (13)	7.8 ± 1.1 (13)	6.7 ± 0.6 (13)
58hc_nox	1994	9.1 ± 0.7 (17)	7.7 ± 0.5 (17)	7.1 ± 0.5 (17)	7.4 ± 0.5 (18)	7.0 ± 0.5 (18)	6.7 ± 0.4 (17)	7.6 ± 0.4 (17)
58hc_nox	1995	8.4 ± 0.4 (17)	7.1 ± 0.6 (17)	7.1 ± 1.0 (17)	6.1 ± 0.3 (17)	7.9 ± 1.0 (18)	6.9 ± 0.8 (18)	7.1 ± 0.8 (18)
58hc_nox	1996	9.5 ± 1.3 (16)	8.3 ± 1.3 (16)	6.0 ± 0.3 (15)	7.0 ± 0.6 (15)	7.1 ± 0.5 (15)	7.2 ± 0.5 (17)	6.8 ± 0.4 (17)
58hc_nox	1997	7.8 ± 1.0 (12)	5.6 ± 0.7 (13)	4.5 ± 0.5 (14)	4.6 ± 0.5 (14)	4.8 ± 0.4 (14)	5.4 ± 0.7 (14)	6.7 ± 1.1 (12)
58hc_nox	1998	8.3 ± 0.5 (15)	7.9 ± 1.1 (17)	6.7 ± 0.6 (17)	6.6 ± 0.5 (18)	6.2 ± 0.4 (17)	6.6 ± 0.8 (15)	7.1 ± 0.6 (17)
58hc_nox	81-84	5.5 ± 0.3 (66)	5.7 ± 0.3 (64)	5.8 ± 0.4 (64)	5.7 ± 0.3 (64)	5.3 ± 0.2 (68)	5.4 ± 0.2 (67)	5.6 ± 0.2 (66)
58hc_nox	84-89	8.5 ± 0.6 (83)	7.6 ± 0.6 (86)	8.6 ± 1.4 (83)	6.6 ± 0.2 (82)	6.6 ± 0.3 (83)	7.0 ± 0.4 (84)	7.9 ± 0.4 (85)
58hc_nox	90-94	7.8 ± 0.3 (83)	6.8 ± 0.2 (83)	6.5 ± 0.2 (83)	6.4 ± 0.3 (80)	6.9 ± 0.3 (79)	6.5 ± 0.2 (81)	6.7 ± 0.2 (83)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameter by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
58hc_nox	95-98	8.6 ± 0.4 (60)	7.3 ± 0.5 (63)	6.1 ± 0.4 (63)	6.1 ± 0.2 (64)	6.6 ± 0.4 (64)	6.6 ± 0.4 (64)	6.9 ± 0.3 (64)
maxo3hc_nox	1981	3.4 ± 0.7 (16)	4.6 ± 0.8 (15)	5.7 ± 0.9 (16)	4.4 ± 0.9 (16)	5.2 ± 1.1 (15)	5.2 ± 1.3 (14)	3.9 ± 1.0 (16)
maxo3hc_nox	1982	10.7 ± 1.5 (15)	11.0 ± 1.4 (17)	9.3 ± 1.3 (17)	11.4 ± 1.1 (16)	11.1 ± 0.8 (17)	11.8 ± 1.1 (14)	13.0 ± 1.7 (16)
maxo3hc_nox	1983	10.1 ± 1.5 (16)	11.8 ± 1.5 (16)	9.9 ± 1.4 (17)	10.3 ± 1.0 (18)	11.1 ± 0.9 (16)	10.5 ± 0.9 (18)	10.7 ± 1.3 (16)
maxo3hc_nox	1984	10.3 ± 1.2 (18)	13.5 ± 1.5 (16)	15.4 ± 1.8 (17)	13.1 ± 2.2 (16)	14.6 ± 1.9 (17)	15.9 ± 1.7 (17)	11.6 ± 1.4 (18)
maxo3hc_nox	1985	10.9 ± 1.5 (17)	11.2 ± 1.5 (18)	10.7 ± 1.6 (16)	9.6 ± 1.3 (16)	10.7 ± 1.2 (16)	13.4 ± 1.2 (17)	11.7 ± 1.5 (18)
maxo3hc_nox	1986	20.0 ± 3.1 (14)	19.5 ± 2.7 (18)	17.2 ± 2.3 (17)	15.7 ± 1.8 (17)	17.8 ± 2.4 (16)	16.1 ± 1.9 (16)	18.5 ± 2.5 (15)
maxo3hc_nox	1987	29.2 ± 3.2 (14)	21.9 ± 2.6 (16)	22.0 ± 2.8 (17)	21.7 ± 2.4 (15)	23.1 ± 2.6 (15)	18.7 ± 2.2 (17)	28.8 ± 2.9 (14)
maxo3hc_nox	1988	12.0 ± 1.4 (15)	9.7 ± 1.2 (14)	13.0 ± 1.1 (14)	10.0 ± 0.6 (16)	10.7 ± 0.7 (16)	9.8 ± 0.6 (16)	13.6 ± 1.1 (15)
maxo3hc_nox	1989	10.2 ± 1.5 (16)	10.6 ± 1.5 (17)	12.2 ± 2.1 (17)	10.0 ± 1.0 (17)	9.8 ± 1.0 (18)	10.4 ± 1.1 (17)	9.5 ± 1.4 (17)
maxo3hc_nox	1990	8.6 ± 1.3 (17)	8.5 ± 1.1 (17)	7.5 ± 1.2 (15)	9.8 ± 1.6 (17)	10.3 ± 1.5 (16)	9.3 ± 1.4 (18)	10.4 ± 1.1 (18)
maxo3hc_nox	1991	9.7 ± 1.4 (18)	7.9 ± 0.9 (18)	8.2 ± 1.1 (17)	6.9 ± 0.9 (17)	9.2 ± 1.1 (17)	8.6 ± 1.0 (17)	9.5 ± 1.3 (18)
maxo3hc_nox	1992	13.9 ± 2.2 (17)	11.1 ± 1.2 (17)	14.1 ± 2.0 (18)	10.9 ± 1.3 (16)	13.8 ± 2.0 (16)	9.8 ± 1.4 (17)	13.7 ± 2.6 (17)
maxo3hc_nox	1993	8.3 ± 1.5 (13)	9.2 ± 1.7 (13)	11.0 ± 1.5 (13)	13.5 ± 2.5 (14)	9.4 ± 1.6 (13)	10.4 ± 1.7 (13)	9.6 ± 1.7 (13)
maxo3hc_nox	1994	17.3 ± 1.4 (17)	14.8 ± 1.9 (17)	13.5 ± 0.8 (16)	12.6 ± 0.6 (18)	14.0 ± 0.8 (18)	13.5 ± 0.8 (17)	16.6 ± 1.1 (17)
maxo3hc_nox	1995	16.2 ± 1.0 (17)	12.5 ± 0.9 (17)	12.2 ± 1.0 (17)	12.0 ± 0.6 (17)	11.6 ± 0.7 (18)	13.0 ± 0.8 (18)	14.4 ± 0.9 (18)
maxo3hc_nox	1996	14.7 ± 2.7 (16)	12.7 ± 2.1 (16)	9.3 ± 0.8 (13)	14.5 ± 3.6 (16)	12.0 ± 1.3 (17)	11.4 ± 1.1 (17)	13.8 ± 1.5 (17)
maxo3hc_nox	1997	14.5 ± 2.5 (12)	8.5 ± 0.8 (13)	10.2 ± 1.9 (14)	8.5 ± 1.0 (14)	10.1 ± 1.2 (13)	10.3 ± 1.0 (13)	12.3 ± 1.6 (12)
maxo3hc_nox	1998	22.7 ± 2.2 (11)	15.8 ± 1.5 (14)	15.8 ± 2.2 (15)	19.4 ± 4.5 (14)	16.6 ± 1.8 (15)	19.6 ± 2.8 (15)	23.3 ± 2.7 (15)
maxo3hc_nox	81-84	8.7 ± 0.7 (65)	10.3 ± 0.8 (64)	10.1 ± 0.8 (67)	9.8 ± 0.8 (66)	10.6 ± 0.8 (65)	11.1 ± 0.8 (63)	9.9 ± 0.8 (66)
maxo3hc_nox	84-89	16.0 ± 1.3 (76)	14.7 ± 1.1 (83)	15.1 ± 1.0 (81)	13.3 ± 0.8 (81)	14.2 ± 0.9 (81)	13.7 ± 0.8 (83)	15.9 ± 1.1 (79)
maxo3hc_nox	90-94	11.7 ± 0.8 (82)	10.3 ± 0.7 (82)	11.0 ± 0.7 (79)	10.7 ± 0.7 (82)	11.5 ± 0.7 (80)	10.3 ± 0.6 (82)	12.0 ± 0.8 (83)
maxo3hc_nox	95-98	16.7 ± 1.1 (56)	12.5 ± 0.8 (60)	12.0 ± 0.8 (59)	13.5 ± 1.5 (61)	12.6 ± 0.7 (63)	13.6 ± 0.9 (63)	16.0 ± 1.0 (62)
tno=o3	1981	7.3 ± 0.2 (16)	8.0 ± 0.3 (9)	8.0 ± 0.2 (10)	8.1 ± 0.3 (12)	7.7 ± 0.2 (14)	7.8 ± 0.2 (14)	7.4 ± 0.2 (15)
tno=o3	1982	7.0 ± 0.2 (13)	7.1 ± 0.2 (10)	7.5 ± 0.2 (9)	7.4 ± 0.4 (9)	7.7 ± 0.2 (13)	7.5 ± 0.4 (11)	7.6 ± 0.2 (13)
tno=o3	1983	6.7 ± 0.3 (11)	7.5 ± 0.3 (13)	7.8 ± 0.5 (12)	7.5 ± 0.2 (15)	7.7 ± 0.2 (12)	7.6 ± 0.2 (17)	6.8 ± 0.2 (15)
tno=o3	1984	6.8 ± 0.3 (14)	7.4 ± 0.3 (13)	7.5 ± 0.2 (13)	7.4 ± 0.2 (13)	7.7 ± 0.1 (15)	7.4 ± 0.2 (15)	7.3 ± 0.1 (16)
tno=o3	1985	6.9 ± 0.2 (16)	7.1 ± 0.2 (17)	7.1 ± 0.3 (11)	7.5 ± 0.2 (10)	7.8 ± 0.2 (16)	7.8 ± 0.1 (17)	7.3 ± 0.2 (16)
tno=o3	1986	7.0 ± 0.2 (17)	7.8 ± 0.2 (15)	7.4 ± 0.3 (11)	7.6 ± 0.2 (15)	7.8 ± 0.2 (13)	7.6 ± 0.2 (16)	7.2 ± 0.1 (17)
tno=o3	1987	7.3 ± 0.2 (12)	7.5 ± 0.2 (15)	7.4 ± 0.4 (8)	7.4 ± 0.2 (14)	8.0 ± 0.1 (13)	7.3 ± 0.2 (11)	7.2 ± 0.3 (13)
tno=o3	1988	7.1 ± 0.2 (12)	7.4 ± 0.3 (13)	7.8 ± 0.2 (6)	7.8 ± 0.2 (14)	7.6 ± 0.2 (15)	7.6 ± 0.2 (16)	7.1 ± 0.2 (14)
tno=o3	1989	6.9 ± 0.2 (14)	7.3 ± 0.2 (14)	7.4 ± 0.3 (12)	7.7 ± 0.2 (14)	7.6 ± 0.2 (14)	7.8 ± 0.3 (11)	7.5 ± 0.2 (15)
tno=o3	1990	6.7 ± 0.2 (17)	7.2 ± 0.3 (15)	7.5 ± 0.2 (11)	7.6 ± 0.2 (12)	7.7 ± 0.2 (9)	7.6 ± 0.1 (13)	7.3 ± 0.1 (17)
tno=o3	1991	7.0 ± 0.2 (17)	7.6 ± 0.2 (14)	7.6 ± 0.2 (17)	8.3 ± 0.3 (16)	8.4 ± 0.3 (13)	7.7 ± 0.2 (14)	7.5 ± 0.2 (16)
tno=o3	1992	6.5 ± 0.2 (15)	7.6 ± 0.2 (15)	7.5 ± 0.1 (16)	8.1 ± 0.2 (12)	7.7 ± 0.2 (13)	7.5 ± 0.1 (12)	7.1 ± 0.2 (14)
tno=o3	1993	6.6 ± 0.2 (9)	7.4 ± 0.2 (10)	7.4 ± 0.2 (10)	7.5 ± 0.2 (11)	7.6 ± 0.2 (8)	7.5 ± 0.1 (9)	6.8 ± 0.3 (8)
tno=o3	1994	6.9 ± 0.1 (13)	7.6 ± 0.2 (14)	7.7 ± 0.1 (14)	7.7 ± 0.2 (16)	7.9 ± 0.2 (14)	7.7 ± 0.2 (15)	7.4 ± 0.1 (17)
tno=o3	1995	7.0 ± 0.1 (13)	7.5 ± 0.2 (15)	7.7 ± 0.2 (16)	7.9 ± 0.1 (16)	7.7 ± 0.3 (14)	7.8 ± 0.2 (13)	7.6 ± 0.2 (16)
tno=o3	1996	6.8 ± 0.3 (10)	7.5 ± 0.3 (11)	7.7 ± 0.3 (11)	7.5 ± 0.2 (11)	7.5 ± 0.2 (13)	7.4 ± 0.2 (14)	7.5 ± 0.2 (15)
tno=o3	1997	7.6 ± 0.3 (7)	7.9 ± 0.4 (9)	8.4 ± 0.4 (13)	7.8 ± 0.3 (12)	7.5 ± 0.3 (12)	8.0 ± 0.3 (10)	8.2 ± 0.2 (7)
tno=o3	1998	6.8 ± 0.2 (12)	7.6 ± 0.2 (14)	7.6 ± 0.1 (13)	7.7 ± 0.2 (14)	8.0 ± 0.2 (14)	8.0 ± 0.2 (12)	7.6 ± 0.2 (14)
tno=o3	81-84	7.0 ± 0.1 (54)	7.5 ± 0.1 (45)	7.7 ± 0.2 (44)	7.6 ± 0.1 (49)	7.7 ± 0.1 (54)	7.6 ± 0.1 (57)	7.3 ± 0.1 (59)
tno=o3	84-89	7.0 ± 0.1 (71)	7.4 ± 0.1 (74)	7.4 ± 0.1 (48)	7.6 ± 0.1 (67)	7.8 ± 0.1 (71)	7.6 ± 0.1 (71)	7.3 ± 0.1 (75)
tno=o3	90-94	6.8 ± 0.1 (71)	7.5 ± 0.1 (68)	7.5 ± 0.1 (68)	7.9 ± 0.1 (67)	7.9 ± 0.1 (57)	7.6 ± 0.1 (63)	7.3 ± 0.1 (72)
tno=o3	95-98	7.0 ± 0.1 (42)	7.6 ± 0.1 (49)	7.8 ± 0.1 (53)	7.8 ± 0.1 (53)	7.7 ± 0.1 (53)	7.7 ± 0.1 (49)	7.7 ± 0.1 (52)
to3max	1981	12.9 ± 0.5 (17)	12.4 ± 0.8 (18)	14.1 ± 0.3 (18)	13.8 ± 0.4 (18)	13.8 ± 0.5 (17)	13.2 ± 0.4 (17)	13.3 ± 0.4 (17)
to3max	1982	12.8 ± 0.8 (17)	13.6 ± 0.4 (17)	13.7 ± 0.3 (18)	12.9 ± 0.4 (18)	13.4 ± 0.4 (18)	14.1 ± 0.5 (17)	13.4 ± 0.5 (17)
to3max	1983	15.1 ± 0.4 (16)	13.8 ± 0.2 (17)	13.7 ± 0.2 (17)	13.4 ± 0.3 (18)	13.8 ± 0.3 (17)	14.1 ± 0.3 (18)	13.8 ± 0.4 (16)
to3max	1984	13.3 ± 0.3 (18)	13.8 ± 0.3 (17)	13.6 ± 0.3 (17)	13.5 ± 0.3 (17)	13.4 ± 0.3 (17)	13.7 ± 0.3 (18)	13.2 ± 0.3 (18)
to3max	1985	13.7 ± 0.4 (17)	13.3 ± 0.4 (18)	12.8 ± 0.6 (17)	13.1 ± 0.3 (17)	13.6 ± 0.5 (17)	13.9 ± 0.4 (17)	13.3 ± 0.4 (18)
to3max	1986	13.7 ± 0.4 (18)	13.8 ± 0.2 (18)	13.2 ± 0.3 (18)	13.7 ± 0.3 (17)	13.3 ± 0.4 (17)	13.7 ± 0.4 (17)	12.9 ± 0.3 (17)
to3max	1987	13.5 ± 0.3 (17)	13.9 ± 0.3 (18)	13.6 ± 0.3 (18)	13.4 ± 0.4 (18)	12.7 ± 0.4 (17)	12.9 ± 0.3 (17)	13.4 ± 0.3 (17)
to3max	1988	13.5 ± 0.4 (17)	13.7 ± 0.2 (17)	13.9 ± 0.2 (16)	13.9 ± 0.4 (18)	13.7 ± 0.3 (18)	13.4 ± 0.3 (18)	13.4 ± 0.4 (17)
to3max	1989	13.5 ± 0.3 (17)	13.4 ± 0.3 (17)	13.5 ± 0.4 (17)	13.4 ± 0.4 (17)	13.3 ± 0.4 (18)	13.7 ± 0.4 (18)	13.5 ± 0.3 (18)
to3max	1990	13.3 ± 0.4 (18)	13.6 ± 0.5 (17)	13.8 ± 0.3 (17)	13.0 ± 0.4 (17)	13.2 ± 0.2 (17)	13.1 ± 0.3 (18)	13.3 ± 0.4 (18)
to3max	1991	13.8 ± 0.3 (18)	13.4 ± 0.3 (18)	13.4 ± 0.4 (17)	13.6 ± 0.3 (17)	13.9 ± 0.3 (17)	13.9 ± 0.3 (18)	13.9 ± 0.3 (18)
to3max	1992	13.0 ± 0.4 (17)	13.0 ± 0.3 (18)	13.4 ± 0.4 (18)	13.7 ± 0.4 (18)	13.1 ± 0.5 (17)	13.1 ± 0.4 (17)	13.6 ± 0.3 (17)
to3max	1993	13.4 ± 0.4 (16)	13.5 ± 0.5 (17)	14.0 ± 0.2 (17)	13.8 ± 0.3 (17)	13.3 ± 0.3 (17)	13.6 ± 0.3 (16)	13.8 ± 0.3 (16)
to3max	1994	14.1 ± 0.4 (17)	13.4 ± 0.2 (17)	13.7 ± 0.2 (17)	14.1 ± 0.2 (18)	13.7 ± 0.3 (18)	13.3 ± 0.2 (18)	13.4 ± 0.4 (17)
to3max	1995	14.3 ± 0.4 (17)	13.7 ± 0.4 (17)	13.4 ± 0.4 (17)	13.8 ± 0.3 (17)	13.4 ± 0.4 (18)	13.3 ± 0.4 (18)	14.3 ± 0.4 (18)
to3max	1996	14.2 ± 0.3 (18)	13.8 ± 0.3 (18)	14.1 ± 0.2 (17)	13.9 ± 0.4 (17)	13.5 ± 0.3 (17)	13.8 ± 0.3 (17)	13.6 ± 0.2 (18)
to3max	1997	13.9 ± 0.4 (14)	13.8 ± 0.3 (15)	14.3 ± 0.3 (16)	13.3 ± 0.4 (16)	12.8 ± 0.8 (15)	13.5 ± 0.4 (15)	14.1 ± 0.4 (14)
to3max	1998	14.3 ± 0.2 (17)	13.8 ± 0.3 (18)	14.3 ± 0.3 (18)	13.7 ± 0.4 (18)	13.6 ± 0.3 (17)	14.4 ± 0.3 (17)	14.3 ± 0.3 (17)
to3max	81-84	13.5 ± 0.3 (68)	13.4 ± 0.2 (69)	13.8 ± 0.1 (70)	13.4 ± 0.2 (71)	13.6 ± 0.2 (69)	13.8 ± 0.2 (70)	13.4 ± 0.2 (68)
to3max	84-89	13.6 ± 0.2 (86)	13.6 ± 0.1 (88)	13.4 ± 0.2 (86)	13.5 ± 0.2 (87)	13.3 ± 0.2 (87)	13.5 ± 0.2 (87)	13.3 ± 0.2 (87)
to3max	90-94	13.5 ± 0.2 (86)	13.4 ± 0.2 (87)	13.6 ± 0.1 (86)	13.6 ± 0.1 (87)	13.4 ± 0.2 (86)	13.4 ± 0.1 (86)	13.6 ± 0.2 (86)
to3max	95-98	14.2 ± 0.2 (66)	13.8 ± 0.2 (68)	14.0 ± 0.2 (68)	13.6 ± 0.2 (68)	13.3 ± 0.2 (67)	13.7 ± 0.2 (67)	14.1 ± 0.2 (67)
to3acc	1981	5.7 ± 0.6 (16)	3.6 ± 1.7 (9)	6.1 ± 0.5 (10)	5.9 ± 0.5 (12)	6.0 ± 0.6 (14)	5.3 ± 0.5 (14)	6.0 ± 0.5 (15)
to3acc	1982	6.3 ± 0.5 (13)	6.8 ± 0.6 (10)	6.6 ± 0.5 (9)	5.7 ± 0.6 (9)	5.8 ± 0.6 (13)	6.3 ± 0.7 (11)	5.3 ± 0.4 (13)
to3acc	1983	8.2 ± 0.5 (11)	6.1 ± 0.4 (13)	5.8 ± 0.6 (12)	6.2 ± 0.4 (15)	5.9 ± 0.3 (12)	6.4 ± 0.4 (17)	7.0 ± 0.4 (15)
to3acc	1984	6.3 ± 0.6 (14)	6.3 ± 0.3 (13)	6.1 ± 0.3 (13)	5.8 ± 0.3 (13)	5.8 ± 0.3 (15)	6.2 ± 0.3 (15)	6.0 ± 0.4 (16)
to3acc	1985	6.8 ± 0.5 (16)	6.1 ± 0.3 (17)	6.7 ± 0.4 (11)	5.4 ± 0.2 (10)	5.9 ± 0.5 (16)	6.1 ± 0.4 (17)	5.9 ± 0.3 (16)
to3acc	1986	6.7 ± 0.4 (17)	6.0 ± 0.2 (15)	5.5 ± 0.5 (11)	5.8 ± 0.3 (15)	5.7 ± 0.5 (13)	6.0 ± 0.4 (16)	5.7 ± 0.3 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameter by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
to3acc	1987	6.1 ± 0.3 (12)	6.2 ± 0.4 (15)	6.0 ± 0.5 (8)	6.2 ± 0.4 (14)	4.9 ± 0.5 (13)	5.0 ± 0.4 (11)	5.9 ± 0.4 (13)
to3acc	1988	6.4 ± 0.5 (12)	6.4 ± 0.4 (13)	5.9 ± 0.2 (6)	6.2 ± 0.4 (14)	6.3 ± 0.4 (15)	5.9 ± 0.4 (16)	6.4 ± 0.6 (14)
to3acc	1989	6.4 ± 0.4 (14)	6.0 ± 0.4 (14)	6.2 ± 0.4 (12)	5.9 ± 0.6 (14)	5.7 ± 0.4 (14)	5.5 ± 0.6 (11)	6.1 ± 0.3 (15)
to3acc	1990	6.5 ± 0.4 (17)	6.5 ± 0.5 (15)	5.9 ± 0.3 (11)	5.4 ± 0.7 (12)	5.8 ± 0.4 (9)	5.6 ± 0.3 (13)	6.0 ± 0.5 (17)
to3acc	1991	6.9 ± 0.4 (17)	5.7 ± 0.3 (14)	5.8 ± 0.4 (17)	5.4 ± 0.3 (16)	5.7 ± 0.4 (13)	6.2 ± 0.3 (14)	6.3 ± 0.3 (16)
to3acc	1992	6.3 ± 0.5 (15)	5.5 ± 0.2 (15)	6.0 ± 0.4 (16)	5.7 ± 0.5 (12)	5.1 ± 0.5 (13)	5.7 ± 0.6 (12)	6.7 ± 0.3 (14)
to3acc	1993	6.4 ± 0.4 (9)	5.7 ± 0.6 (10)	6.7 ± 0.2 (10)	6.0 ± 0.4 (11)	5.0 ± 0.5 (8)	6.1 ± 0.4 (9)	7.2 ± 0.5 (8)
to3acc	1994	6.8 ± 0.3 (13)	5.7 ± 0.3 (14)	6.0 ± 0.3 (14)	6.3 ± 0.2 (16)	5.4 ± 0.3 (14)	5.5 ± 0.3 (15)	6.0 ± 0.3 (17)
to3acc	1995	7.1 ± 0.4 (13)	6.1 ± 0.5 (15)	5.5 ± 0.4 (16)	5.9 ± 0.3 (16)	5.8 ± 0.4 (14)	5.8 ± 0.4 (13)	6.6 ± 0.4 (16)
to3acc	1996	7.4 ± 0.4 (10)	5.9 ± 0.4 (11)	6.4 ± 0.3 (11)	6.5 ± 0.5 (11)	6.0 ± 0.4 (13)	6.3 ± 0.4 (14)	6.0 ± 0.3 (15)
to3acc	1997	6.2 ± 0.7 (7)	5.9 ± 0.6 (9)	5.8 ± 0.5 (13)	5.7 ± 0.7 (12)	6.1 ± 0.5 (11)	5.2 ± 0.3 (10)	6.4 ± 0.5 (7)
to3acc	1998	7.5 ± 0.4 (12)	6.0 ± 0.3 (14)	6.3 ± 0.3 (13)	6.0 ± 0.5 (14)	5.5 ± 0.4 (14)	6.4 ± 0.4 (12)	6.6 ± 0.4 (14)
o3rate	81-84	6.5 ± 0.3 (54)	5.8 ± 0.4 (45)	6.1 ± 0.2 (44)	5.9 ± 0.2 (49)	5.9 ± 0.2 (54)	6.1 ± 0.2 (57)	6.1 ± 0.2 (59)
o3rate	84-89	6.5 ± 0.2 (71)	6.1 ± 0.2 (74)	6.1 ± 0.2 (48)	5.9 ± 0.2 (67)	5.7 ± 0.2 (71)	5.8 ± 0.2 (71)	6.0 ± 0.2 (75)
o3rate	90-94	6.6 ± 0.2 (71)	5.8 ± 0.2 (68)	6.0 ± 0.2 (68)	5.8 ± 0.2 (67)	5.4 ± 0.2 (57)	5.8 ± 0.2 (63)	6.3 ± 0.2 (72)
o3rate	95-98	7.1 ± 0.2 (42)	6.0 ± 0.2 (49)	6.0 ± 0.2 (53)	6.0 ± 0.2 (53)	5.8 ± 0.2 (52)	6.0 ± 0.2 (49)	6.4 ± 0.2 (52)
o3rate	1981	21.9 ± 1.6 (16)	21.1 ± 4.1 (9)	23.5 ± 2.6 (10)	21.7 ± 2.0 (12)	28.7 ± 3.9 (14)	27.1 ± 1.9 (14)	23.1 ± 1.5 (15)
o3rate	1982	20.6 ± 2.4 (13)	18.0 ± 2.0 (10)	22.6 ± 3.5 (9)	17.8 ± 3.3 (9)	20.8 ± 2.7 (13)	16.1 ± 1.3 (10)	24.3 ± 2.2 (13)
o3rate	1983	19.5 ± 1.8 (11)	22.6 ± 1.7 (13)	20.7 ± 3.4 (12)	25.5 ± 2.2 (15)	25.2 ± 2.5 (12)	22.9 ± 2.9 (17)	21.9 ± 2.4 (15)
o3rate	1984	16.4 ± 1.3 (14)	20.0 ± 1.5 (13)	20.8 ± 2.9 (13)	26.2 ± 2.5 (13)	24.1 ± 2.0 (15)	24.2 ± 2.0 (15)	20.8 ± 1.7 (16)
o3rate	1985	19.7 ± 1.8 (16)	20.1 ± 2.4 (17)	21.1 ± 3.1 (11)	25.4 ± 2.7 (10)	22.1 ± 2.1 (16)	22.9 ± 2.3 (17)	23.3 ± 1.5 (16)
o3rate	1986	17.4 ± 1.8 (17)	17.3 ± 1.3 (15)	20.0 ± 2.3 (11)	22.2 ± 2.3 (15)	20.3 ± 2.4 (13)	19.4 ± 1.8 (16)	21.3 ± 2.3 (17)
o3rate	1987	22.6 ± 1.5 (12)	22.8 ± 2.1 (15)	24.6 ± 3.4 (8)	22.1 ± 1.8 (14)	26.8 ± 2.6 (13)	23.8 ± 2.7 (11)	22.6 ± 2.5 (13)
o3rate	1988	17.3 ± 1.9 (12)	19.5 ± 2.1 (13)	24.5 ± 1.8 (6)	18.1 ± 1.6 (14)	21.7 ± 1.8 (15)	24.6 ± 2.4 (16)	20.0 ± 1.7 (14)
o3rate	1989	21.7 ± 2.0 (14)	20.8 ± 1.9 (14)	21.3 ± 2.8 (12)	24.2 ± 2.1 (14)	22.4 ± 2.0 (14)	22.1 ± 1.9 (11)	20.2 ± 1.2 (15)
o3rate	1990	18.0 ± 1.4 (17)	21.7 ± 2.1 (15)	20.5 ± 2.2 (11)	22.1 ± 2.1 (12)	20.4 ± 1.4 (9)	24.0 ± 2.4 (13)	20.5 ± 2.0 (17)
o3rate	1991	19.2 ± 1.3 (17)	18.1 ± 1.8 (14)	18.0 ± 1.6 (17)	17.9 ± 1.4 (16)	19.8 ± 1.3 (13)	18.1 ± 1.8 (14)	19.8 ± 1.4 (16)
o3rate	1992	18.5 ± 1.6 (15)	16.6 ± 1.6 (15)	16.1 ± 1.4 (16)	20.8 ± 2.8 (12)	21.6 ± 2.8 (13)	18.2 ± 1.5 (12)	16.5 ± 1.8 (14)
o3rate	1993	17.1 ± 2.0 (9)	17.3 ± 2.4 (10)	16.2 ± 1.4 (10)	19.3 ± 1.8 (11)	18.4 ± 1.6 (8)	21.2 ± 1.7 (9)	18.9 ± 2.1 (8)
o3rate	1994	16.5 ± 0.9 (13)	17.8 ± 1.4 (14)	18.2 ± 1.5 (14)	18.1 ± 1.2 (16)	19.1 ± 2.0 (14)	18.5 ± 1.3 (15)	19.7 ± 1.4 (17)
o3rate	1995	15.8 ± 1.1 (13)	15.0 ± 0.8 (15)	18.8 ± 2.1 (16)	16.4 ± 1.9 (16)	16.9 ± 1.7 (14)	17.4 ± 1.3 (13)	16.6 ± 1.6 (16)
o3rate	1996	14.5 ± 1.3 (10)	16.5 ± 1.4 (11)	13.1 ± 0.9 (11)	14.9 ± 1.7 (11)	17.0 ± 2.1 (13)	13.1 ± 1.4 (14)	16.1 ± 1.1 (15)
o3rate	1997	14.9 ± 1.3 (7)	11.8 ± 1.1 (9)	12.9 ± 1.3 (13)	15.1 ± 1.6 (12)	13.1 ± 1.4 (11)	13.2 ± 1.1 (10)	16.7 ± 2.4 (7)
o3rate	1998	15.1 ± 1.2 (12)	14.8 ± 1.2 (14)	14.0 ± 1.3 (13)	14.6 ± 1.9 (14)	15.1 ± 1.5 (14)	13.9 ± 1.6 (12)	15.4 ± 1.4 (14)
o3rate	81-84	19.7 ± 0.9 (54)	20.5 ± 1.1 (45)	21.8 ± 1.5 (44)	23.3 ± 1.3 (49)	24.7 ± 1.5 (54)	23.1 ± 1.2 (56)	22.4 ± 1.0 (59)
o3rate	84-89	19.6 ± 0.8 (71)	20.1 ± 0.9 (74)	21.9 ± 1.3 (48)	22.2 ± 1.0 (67)	22.6 ± 1.0 (71)	22.5 ± 1.0 (71)	21.5 ± 0.8 (75)
o3rate	90-94	18.0 ± 0.6 (71)	18.4 ± 0.8 (68)	17.7 ± 0.7 (68)	19.4 ± 0.8 (67)	20.0 ± 0.9 (57)	19.9 ± 0.8 (63)	19.2 ± 0.8 (72)
o3rate	95-98	15.1 ± 0.6 (42)	14.7 ± 0.6 (49)	15.0 ± 0.9 (53)	15.3 ± 0.9 (53)	15.6 ± 0.9 (52)	14.4 ± 0.7 (49)	16.1 ± 0.7 (52)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
o3max	1981	186 ± 12 (17)	179 ± 9 (18)	184 ± 14 (18)	186 ± 16 (18)	204 ± 15 (17)	222 ± 13 (17)	194 ± 11 (17)
o3max	1982	161 ± 15 (16)	153 ± 17 (17)	178 ± 21 (18)	167 ± 23 (18)	168 ± 18 (18)	165 ± 18 (17)	178 ± 15 (16)
o3max	1983	161 ± 13 (17)	178 ± 19 (17)	175 ± 20 (17)	168 ± 16 (18)	150 ± 18 (18)	174 ± 19 (18)	161 ± 16 (17)
o3max	1984	124 ± 15 (18)	154 ± 15 (17)	163 ± 19 (17)	172 ± 19 (17)	162 ± 14 (17)	167 ± 16 (18)	142 ± 10 (18)
o3max	1985	144 ± 13 (18)	134 ± 16 (18)	135 ± 12 (17)	157 ± 20 (17)	159 ± 18 (17)	162 ± 18 (17)	172 ± 15 (18)
o3max	1986	146 ± 11 (18)	141 ± 10 (18)	156 ± 15 (18)	150 ± 13 (17)	155 ± 17 (17)	165 ± 18 (17)	146 ± 14 (17)
o3max	1987	139 ± 11 (17)	145 ± 9 (18)	156 ± 11 (18)	154 ± 14 (18)	132 ± 13 (17)	138 ± 15 (17)	139 ± 12 (17)
o3max	1988	131 ± 12 (16)	131 ± 11 (17)	154 ± 12 (17)	144 ± 10 (18)	163 ± 10 (18)	167 ± 16 (18)	154 ± 11 (17)
o3max	1989	139 ± 13 (17)	129 ± 14 (17)	151 ± 15 (17)	153 ± 18 (17)	140 ± 11 (18)	128 ± 9 (18)	131 ± 14 (18)
o3max	1990	117 ± 11 (18)	124 ± 13 (17)	128 ± 16 (17)	110 ± 13 (17)	127 ± 14 (17)	122 ± 13 (18)	125 ± 12 (18)
o3max	1991	142 ± 9 (18)	116 ± 13 (18)	118 ± 13 (17)	111 ± 11 (17)	124 ± 13 (17)	126 ± 15 (17)	132 ± 10 (18)
o3max	1992	135 ± 14 (17)	122 ± 12 (18)	115 ± 10 (18)	121 ± 10 (18)	134 ± 9 (17)	114 ± 12 (17)	144 ± 16 (17)
o3max	1993	128 ± 11 (17)	106 ± 10 (17)	114 ± 7 (18)	116 ± 8 (18)	124 ± 11 (18)	133 ± 13 (17)	129 ± 11 (17)
o3max	1994	143 ± 8 (17)	121 ± 9 (17)	127 ± 10 (17)	128 ± 10 (18)	141 ± 11 (18)	139 ± 8 (18)	152 ± 10 (17)
o3max	1995	139 ± 7 (17)	120 ± 8 (17)	122 ± 11 (17)	116 ± 11 (17)	101 ± 10 (18)	117 ± 11 (18)	149 ± 12 (18)
o3max	1996	129 ± 10 (9)	100 ± 11 (9)	102 ± 11 (9)	83 ± 11 (9)	98 ± 13 (8)	97 ± 12 (8)	128 ± 9 (9)
o3max	1997	101 ± 6 (18)	78 ± 5 (18)	79 ± 5 (18)	94 ± 6 (17)	84 ± 9 (17)	82 ± 7 (17)	93 ± 7 (17)
o3max	1998	119 ± 11 (17)	87 ± 8 (18)	86 ± 10 (18)	79 ± 8 (18)	88 ± 10 (17)	89 ± 9 (17)	119 ± 9 (16)
o3max	81-84	158 ± 7 (68)	166 ± 8 (69)	175 ± 9 (70)	173 ± 9 (71)	171 ± 8 (70)	182 ± 9 (70)	168 ± 7 (68)
o3max	84-89	140 ± 5 (86)	136 ± 5 (88)	150 ± 6 (87)	152 ± 7 (87)	150 ± 6 (87)	152 ± 7 (87)	149 ± 6 (87)
o3max	90-94	133 ± 5 (87)	117 ± 5 (87)	120 ± 5 (87)	117 ± 5 (88)	130 ± 5 (87)	127 ± 5 (87)	136 ± 5 (87)
o3max	95-98	121 ± 5 (61)	95 ± 4 (62)	96 ± 5 (62)	94 ± 5 (61)	92 ± 5 (60)	97 ± 5 (60)	122 ± 6 (60)
34no2	1981	43 ± 4 (14)	38 ± 4 (15)	44 ± 4 (15)	43 ± 4 (15)	47 ± 3 (15)	54 ± 3 (14)	55 ± 4 (15)
34no2	1982	39 ± 3 (16)	39 ± 3 (17)	40 ± 3 (18)	43 ± 4 (18)	39 ± 3 (17)	45 ± 3 (17)	51 ± 4 (16)
34no2	1983	37 ± 4 (17)	38 ± 3 (17)	43 ± 3 (17)	44 ± 5 (18)	36 ± 4 (18)	37 ± 4 (18)	48 ± 3 (17)
34no2	1984	33 ± 4 (18)	33 ± 3 (17)	35 ± 3 (17)	36 ± 3 (17)	41 ± 3 (16)	41 ± 3 (17)	42 ± 3 (18)
34no2	1985	32 ± 3 (18)	30 ± 3 (18)	32 ± 4 (17)	37 ± 3 (17)	36 ± 4 (17)	36 ± 2 (17)	40 ± 3 (18)
34no2	1986	38 ± 3 (18)	41 ± 3 (18)	38 ± 3 (18)	36 ± 3 (17)	35 ± 3 (17)	40 ± 3 (16)	42 ± 3 (17)
34no2	1987	43 ± 3 (17)	41 ± 2 (18)	48 ± 3 (18)	50 ± 4 (18)	46 ± 3 (17)	48 ± 4 (17)	47 ± 4 (17)
34no2	1988	36 ± 3 (16)	39 ± 3 (16)	38 ± 3 (17)	45 ± 4 (18)	46 ± 3 (18)	41 ± 3 (18)	45 ± 2 (17)
34no2	1989	31 ± 3 (17)	28 ± 2 (17)	34 ± 3 (17)	38 ± 4 (17)	35 ± 3 (18)	35 ± 3 (17)	35 ± 4 (18)
34no2	1990	28 ± 2 (18)	32 ± 3 (17)	31 ± 3 (17)	29 ± 3 (17)	34 ± 3 (17)	32 ± 4 (18)	35 ± 3 (18)
34no2	1991	37 ± 2 (18)	40 ± 3 (18)	41 ± 4 (17)	41 ± 4 (17)	38 ± 3 (17)	39 ± 3 (17)	45 ± 4 (17)
34no2	1992	31 ± 3 (17)	32 ± 2 (18)	36 ± 3 (18)	33 ± 2 (18)	39 ± 3 (17)	35 ± 3 (17)	35 ± 3 (17)
34no2	1993	31 ± 3 (17)	30 ± 3 (17)	32 ± 2 (18)	36 ± 3 (18)	32 ± 2 (18)	38 ± 3 (17)	36 ± 3 (17)
34no2	1994	36 ± 2 (17)	33 ± 2 (17)	42 ± 4 (17)	39 ± 3 (18)	42 ± 2 (18)	40 ± 2 (18)	42 ± 2 (17)
34no2	1995	34 ± 2 (17)	35 ± 3 (17)	41 ± 3 (17)	39 ± 2 (17)	35 ± 3 (18)	40 ± 3 (18)	40 ± 3 (18)
34no2	1996	30 ± 4 (9)	23 ± 4 (8)	31 ± 4 (9)	30 ± 3 (9)	32 ± 2 (8)	23 ± 4 (8)	36 ± 5 (8)
34no2	1997	26 ± 2 (17)	25 ± 2 (17)	30 ± 2 (12)	34 ± 3 (14)	29 ± 2 (15)	26 ± 3 (15)	26 ± 3 (16)
34no2	1998	23 ± 2 (17)	26 ± 2 (18)	31 ± 3 (18)	29 ± 3 (18)	31 ± 2 (17)	32 ± 2 (17)	35 ± 4 (16)
34no2	81-84	38 ± 2 (65)	37 ± 2 (66)	40 ± 2 (67)	42 ± 2 (68)	40 ± 2 (66)	44 ± 2 (66)	49 ± 2 (66)
34no2	84-89	36 ± 1 (86)	36 ± 1 (87)	38 ± 1 (87)	41 ± 2 (87)	40 ± 2 (87)	40 ± 1 (85)	42 ± 1 (87)
34no2	90-94	33 ± 1 (87)	34 ± 1 (87)	37 ± 1 (87)	36 ± 1 (88)	37 ± 1 (87)	37 ± 1 (87)	39 ± 1 (86)
34no2	95-98	28 ± 1 (60)	28 ± 1 (60)	34 ± 2 (56)	33 ± 2 (58)	32 ± 1 (58)	32 ± 2 (58)	34 ± 2 (58)
34no	1981	4 ± 2 (14)	4 ± 2 (15)	7 ± 3 (15)	3 ± 2 (15)	6 ± 3 (15)	10 ± 3 (14)	13 ± 4 (15)
34no	1982	9 ± 3 (16)	4 ± 2 (17)	3 ± 2 (18)	6 ± 2 (18)	4 ± 2 (17)	5 ± 2 (17)	15 ± 5 (16)
34no	1983	5 ± 3 (17)	5 ± 2 (17)	3 ± 2 (17)	7 ± 3 (18)	6 ± 3 (18)	4 ± 2 (18)	5 ± 2 (17)
34no	1984	6 ± 2 (18)	9 ± 3 (17)	9 ± 3 (17)	10 ± 4 (17)	16 ± 4 (16)	13 ± 4 (17)	11 ± 3 (18)
34no	1985	9 ± 3 (18)	9 ± 3 (18)	8 ± 2 (17)	12 ± 4 (17)	5 ± 2 (17)	10 ± 4 (17)	11 ± 3 (18)
34no	1986	6 ± 2 (18)	5 ± 2 (18)	9 ± 3 (18)	9 ± 4 (17)	12 ± 5 (17)	5 ± 2 (17)	8 ± 4 (17)
34no	1987	8 ± 2 (17)	7 ± 1 (18)	14 ± 3 (18)	14 ± 3 (18)	18 ± 5 (17)	22 ± 5 (17)	18 ± 5 (17)
34no	1988	18 ± 5 (16)	11 ± 3 (16)	18 ± 3 (17)	17 ± 4 (18)	14 ± 3 (18)	14 ± 4 (18)	21 ± 4 (17)
34no	1989	13 ± 3 (17)	8 ± 2 (17)	15 ± 4 (17)	23 ± 4 (17)	16 ± 5 (18)	19 ± 4 (17)	18 ± 4 (18)
34no	1990	9 ± 4 (18)	11 ± 3 (17)	6 ± 2 (17)	5 ± 2 (17)	9 ± 3 (17)	9 ± 3 (18)	13 ± 4 (18)
34no	1991	9 ± 3 (18)	9 ± 3 (18)	10 ± 3 (17)	14 ± 4 (17)	11 ± 4 (17)	11 ± 4 (17)	19 ± 5 (17)
34no	1992	8 ± 3 (17)	9 ± 3 (18)	13 ± 3 (18)	13 ± 4 (18)	14 ± 3 (17)	10 ± 2 (17)	7 ± 3 (17)
34no	1993	11 ± 3 (17)	16 ± 3 (17)	17 ± 3 (18)	14 ± 4 (18)	12 ± 3 (18)	14 ± 2 (17)	6 ± 2 (17)
34no	1994	6 ± 3 (17)	5 ± 2 (17)	7 ± 2 (17)	10 ± 4 (18)	8 ± 2 (18)	12 ± 3 (18)	9 ± 2 (17)
34no	1995	3 ± 2 (17)	5 ± 2 (17)	11 ± 4 (17)	16 ± 4 (17)	6 ± 2 (18)	5 ± 1 (18)	5 ± 2 (18)
34no	1996	3 ± 2 (9)	3 ± 3 (8)	8 ± 3 (9)	14 ± 7 (9)	5 ± 2 (8)	3 ± 2 (8)	13 ± 6 (8)
34no	1997	8 ± 2 (17)	11 ± 2 (17)	13 ± 2 (12)	15 ± 4 (14)	14 ± 3 (15)	16 ± 4 (15)	13 ± 3 (16)
34no	1998	5 ± 1 (17)	11 ± 3 (18)	14 ± 3 (18)	14 ± 3 (18)	15 ± 3 (17)	10 ± 2 (17)	12 ± 4 (16)
34no	81-84	6 ± 1 (65)	5 ± 1 (66)	6 ± 1 (67)	7 ± 1 (68)	8 ± 2 (66)	8 ± 1 (66)	11 ± 2 (66)
34no	84-89	10 ± 1 (86)	8 ± 1 (87)	13 ± 2 (87)	15 ± 2 (87)	13 ± 2 (87)	14 ± 2 (86)	15 ± 2 (87)
34no	90-94	9 ± 1 (87)	10 ± 1 (87)	11 ± 1 (87)	11 ± 2 (88)	11 ± 1 (87)	11 ± 1 (87)	11 ± 2 (86)
34no	95-98	5 ± 1 (60)	8 ± 1 (60)	12 ± 2 (56)	15 ± 2 (58)	11 ± 1 (58)	9 ± 2 (58)	10 ± 2 (58)
34no2_nox	1981	0.95 ± 0.03 (14)	0.93 ± 0.03 (14)	0.89 ± 0.04 (15)	0.95 ± 0.03 (15)	0.91 ± 0.04 (15)	0.86 ± 0.04 (14)	0.85 ± 0.05 (15)
34no2_nox	1982	0.86 ± 0.05 (16)	0.95 ± 0.02 (17)	0.95 ± 0.03 (18)	0.93 ± 0.03 (18)	0.93 ± 0.03 (17)	0.90 ± 0.03 (17)	0.83 ± 0.05 (16)
34no2_nox	1983	0.91 ± 0.04 (17)	0.92 ± 0.03 (17)	0.97 ± 0.03 (17)	0.87 ± 0.05 (18)	0.91 ± 0.04 (17)	0.94 ± 0.03 (17)	0.92 ± 0.03 (17)
34no2_nox	1984	0.90 ± 0.03 (17)	0.82 ± 0.05 (17)	0.85 ± 0.04 (17)	0.86 ± 0.05 (17)	0.74 ± 0.07 (17)	0.77 ± 0.06 (18)	0.86 ± 0.04 (18)
34no2_nox	1985	0.84 ± 0.04 (18)	0.85 ± 0.05 (18)	0.85 ± 0.04 (17)	0.81 ± 0.06 (17)	0.92 ± 0.04 (17)	0.84 ± 0.05 (17)	0.83 ± 0.05 (18)
34no2_nox	1986	0.92 ± 0.03 (18)	0.92 ± 0.03 (18)	0.88 ± 0.04 (18)	0.87 ± 0.05 (17)	0.83 ± 0.05 (17)	0.91 ± 0.04 (16)	0.91 ± 0.04 (17)
34no2_nox	1987	0.88 ± 0.04 (17)	0.87 ± 0.03 (18)	0.81 ± 0.04 (18)	0.82 ± 0.04 (18)	0.77 ± 0.04 (17)	0.74 ± 0.05 (17)	0.79 ± 0.04 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
34no2_nox	1988	0.77 ± 0.06 (16)	0.82 ± 0.04 (16)	0.73 ± 0.04 (17)	0.78 ± 0.04 (18)	0.81 ± 0.04 (18)	0.78 ± 0.04 (18)	0.72 ± 0.04 (17)
34no2_nox	1989	0.72 ± 0.05 (17)	0.81 ± 0.05 (17)	0.78 ± 0.05 (17)	0.67 ± 0.05 (17)	0.75 ± 0.06 (18)	0.70 ± 0.05 (17)	0.71 ± 0.06 (18)
34no2_nox	1990	0.84 ± 0.06 (18)	0.79 ± 0.06 (17)	0.86 ± 0.04 (17)	0.90 ± 0.04 (17)	0.84 ± 0.04 (17)	0.86 ± 0.05 (18)	0.79 ± 0.06 (18)
34no2_nox	1991	0.85 ± 0.04 (18)	0.88 ± 0.04 (18)	0.86 ± 0.04 (17)	0.82 ± 0.05 (17)	0.85 ± 0.04 (17)	0.85 ± 0.04 (17)	0.78 ± 0.05 (17)
34no2_nox	1992	0.83 ± 0.05 (17)	0.84 ± 0.05 (18)	0.79 ± 0.04 (18)	0.80 ± 0.05 (18)	0.79 ± 0.04 (17)	0.80 ± 0.04 (17)	0.88 ± 0.04 (17)
34no2_nox	1993	0.78 ± 0.04 (17)	0.65 ± 0.05 (17)	0.70 ± 0.03 (18)	0.77 ± 0.05 (18)	0.77 ± 0.05 (18)	0.74 ± 0.03 (17)	0.88 ± 0.04 (17)
34no2_nox	1994	0.91 ± 0.03 (17)	0.91 ± 0.03 (17)	0.89 ± 0.03 (17)	0.88 ± 0.04 (18)	0.88 ± 0.03 (18)	0.82 ± 0.04 (18)	0.85 ± 0.03 (17)
34no2_nox	1995	0.94 ± 0.03 (17)	0.92 ± 0.03 (17)	0.85 ± 0.05 (17)	0.80 ± 0.05 (17)	0.89 ± 0.03 (18)	0.92 ± 0.02 (18)	0.93 ± 0.03 (18)
34no2_nox	1996	0.94 ± 0.04 (9)	0.93 ± 0.04 (8)	0.85 ± 0.05 (9)	0.81 ± 0.08 (9)	0.89 ± 0.05 (8)	0.91 ± 0.05 (8)	0.72 ± 0.12 (9)
34no2_nox	1997	0.78 ± 0.04 (17)	0.74 ± 0.05 (17)	0.72 ± 0.04 (12)	0.73 ± 0.05 (14)	0.73 ± 0.04 (15)	0.69 ± 0.07 (15)	0.72 ± 0.05 (16)
34no2_nox	1998	0.84 ± 0.02 (17)	0.74 ± 0.03 (18)	0.71 ± 0.04 (18)	0.71 ± 0.03 (18)	0.70 ± 0.03 (17)	0.79 ± 0.02 (17)	0.80 ± 0.03 (16)
34no2_nox	81-84	0.90 ± 0.02 (64)	0.90 ± 0.02 (65)	0.92 ± 0.02 (67)	0.90 ± 0.02 (68)	0.87 ± 0.03 (66)	0.87 ± 0.02 (66)	0.86 ± 0.02 (66)
34no2_nox	84-89	0.83 ± 0.02 (86)	0.86 ± 0.02 (87)	0.81 ± 0.02 (87)	0.79 ± 0.02 (87)	0.82 ± 0.02 (87)	0.79 ± 0.02 (87)	0.79 ± 0.02 (87)
34no2_nox	90-94	0.84 ± 0.02 (87)	0.82 ± 0.02 (87)	0.82 ± 0.02 (87)	0.83 ± 0.02 (88)	0.83 ± 0.02 (87)	0.82 ± 0.02 (87)	0.84 ± 0.02 (86)
34no2_nox	95-98	0.86 ± 0.02 (60)	0.82 ± 0.02 (60)	0.78 ± 0.02 (56)	0.75 ± 0.02 (58)	0.79 ± 0.02 (58)	0.82 ± 0.02 (58)	0.80 ± 0.03 (59)
34nmhc	1981	477 ± 35 (17)	455 ± 39 (18)	608 ± 41 (18)	549 ± 59 (17)	639 ± 65 (17)	673 ± 34 (16)	639 ± 47 (17)
34nmhc	1982	509 ± 50 (15)	444 ± 57 (16)	438 ± 44 (18)	540 ± 83 (18)	455 ± 47 (18)	585 ± 45 (17)	616 ± 65 (16)
34nmhc	1983	509 ± 50 (15)	483 ± 46 (16)	513 ± 38 (17)	472 ± 54 (18)	459 ± 49 (17)	459 ± 42 (17)	616 ± 59 (16)
34nmhc	1984	472 ± 48 (18)	387 ± 26 (17)	441 ± 47 (17)	423 ± 44 (17)	459 ± 42 (17)	438 ± 44 (18)	574 ± 36 (18)
34nmhc	1985	387 ± 43 (18)	333 ± 39 (17)	423 ± 44 (17)	423 ± 44 (17)	369 ± 41 (17)	405 ± 32 (17)	459 ± 32 (17)
34nmhc	1986	370 ± 39 (18)	370 ± 39 (18)	370 ± 39 (18)	330 ± 42 (16)	406 ± 44 (16)	502 ± 38 (16)	495 ± 52 (17)
34nmhc	1987	405 ± 49 (17)	370 ± 39 (18)	506 ± 44 (18)	438 ± 44 (18)	463 ± 34 (16)	483 ± 61 (16)	459 ± 56 (17)
34nmhc	1988	406 ± 52 (16)	349 ± 38 (16)	387 ± 26 (17)	438 ± 37 (18)	421 ± 42 (18)	472 ± 33 (18)	513 ± 53 (17)
34nmhc	1989	333 ± 47 (17)	279 ± 45 (17)	333 ± 54 (17)	423 ± 52 (17)	353 ± 49 (18)	333 ± 54 (17)	421 ± 49 (18)
34nmhc	1990	336 ± 44 (18)	333 ± 29 (17)	387 ± 37 (17)	315 ± 42 (17)	369 ± 49 (17)	319 ± 47 (18)	489 ± 49 (18)
34nmhc	1991	448 ± 61 (5)	448 ± 61 (5)	387 ± 97 (5)	448 ± 114 (5)	234 ± 88 (4)	311 ± 76 (4)	387 ± 97 (5)
34nmhc	1992	(0)	(0)	(0)	(0)	(0)	(0)	(0)
34nmhc	1993	(0)	(0)	(0)	(0)	(0)	(0)	(0)
34nmhc	1994	(0)	(0)	(0)	(0)	(0)	(0)	(0)
34nmhc	1995	(0)	(0)	(0)	(0)	(0)	(0)	(0)
34nmhc	1996	(0)	(0)	(0)	(0)	(0)	(0)	(0)
34nmhc	1997	(0)	(0)	(0)	(0)	(0)	(0)	(0)
34nmhc	1998	(0)	(0)	(0)	(0)	(0)	(0)	(0)
34nmhc	81-84	490 ± 22 (65)	442 ± 21 (67)	501 ± 23 (70)	496 ± 31 (70)	502 ± 27 (69)	535 ± 23 (68)	610 ± 26 (67)
34nmhc	84-89	380 ± 20 (86)	341 ± 18 (86)	405 ± 20 (87)	412 ± 20 (86)	401 ± 19 (85)	438 ± 21 (84)	469 ± 22 (86)
34nmhc	90-94	361 ± 38 (23)	359 ± 28 (22)	387 ± 35 (22)	345 ± 42 (22)	344 ± 44 (21)	318 ± 40 (22)	467 ± 44 (23)
34nmhc	95-98	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67no	1981	14 ± 4 (14)	44 ± 8 (15)	52 ± 10 (15)	43 ± 9 (15)	46 ± 7 (15)	52 ± 9 (14)	25 ± 4 (15)
67no	1982	14 ± 3 (16)	31 ± 8 (17)	38 ± 8 (17)	37 ± 7 (18)	34 ± 7 (16)	42 ± 8 (17)	20 ± 4 (16)
67no	1983	11 ± 3 (17)	39 ± 7 (17)	48 ± 8 (16)	38 ± 6 (18)	40 ± 9 (18)	38 ± 7 (18)	11 ± 3 (17)
67no	1984	12 ± 3 (18)	29 ± 6 (16)	38 ± 7 (17)	45 ± 6 (17)	59 ± 8 (16)	52 ± 7 (17)	22 ± 3 (18)
67no	1985	13 ± 3 (18)	41 ± 8 (18)	39 ± 7 (17)	50 ± 7 (17)	40 ± 6 (17)	57 ± 9 (17)	22 ± 3 (18)
67no	1986	9 ± 3 (18)	38 ± 6 (18)	51 ± 7 (18)	54 ± 10 (17)	55 ± 8 (17)	43 ± 7 (17)	28 ± 5 (17)
67no	1987	15 ± 3 (17)	68 ± 11 (18)	58 ± 12 (18)	68 ± 8 (18)	65 ± 12 (17)	78 ± 12 (17)	28 ± 5 (17)
67no	1988	23 ± 6 (16)	51 ± 11 (16)	79 ± 12 (16)	75 ± 10 (18)	71 ± 11 (18)	66 ± 9 (18)	32 ± 4 (17)
67no	1989	21 ± 2 (17)	62 ± 8 (17)	71 ± 11 (17)	86 ± 10 (14)	67 ± 9 (18)	71 ± 11 (18)	34 ± 5 (18)
67no	1990	17 ± 4 (18)	49 ± 7 (16)	57 ± 10 (17)	58 ± 10 (17)	61 ± 10 (17)	48 ± 9 (17)	24 ± 4 (18)
67no	1991	13 ± 3 (18)	45 ± 9 (18)	52 ± 8 (17)	44 ± 8 (17)	54 ± 12 (17)	47 ± 8 (17)	35 ± 8 (18)
67no	1992	13 ± 2 (17)	52 ± 9 (18)	61 ± 7 (18)	66 ± 9 (18)	63 ± 12 (17)	54 ± 10 (17)	21 ± 4 (17)
67no	1993	19 ± 3 (17)	43 ± 8 (17)	47 ± 8 (18)	57 ± 11 (18)	56 ± 11 (18)	44 ± 8 (17)	23 ± 6 (17)
67no	1994	13 ± 2 (17)	58 ± 10 (17)	66 ± 11 (17)	63 ± 10 (17)	56 ± 8 (18)	66 ± 8 (18)	32 ± 4 (17)
67no	1995	11 ± 2 (17)	68 ± 12 (17)	83 ± 11 (17)	73 ± 9 (17)	62 ± 11 (18)	69 ± 10 (18)	29 ± 5 (18)
67no	1996	9 ± 2 (9)	32 ± 6 (9)	35 ± 8 (9)	42 ± 14 (9)	40 ± 7 (8)	26 ± 10 (8)	18 ± 4 (9)
67no	1997	14 ± 2 (17)	46 ± 8 (17)	58 ± 8 (12)	63 ± 9 (14)	54 ± 8 (15)	40 ± 9 (15)	24 ± 6 (16)
67no	1998	14 ± 2 (17)	51 ± 6 (18)	52 ± 8 (18)	49 ± 8 (18)	49 ± 8 (17)	50 ± 9 (17)	30 ± 6 (16)
67no	81-84	13 ± 2 (65)	36 ± 4 (65)	44 ± 4 (65)	41 ± 3 (68)	45 ± 4 (65)	46 ± 4 (66)	19 ± 2 (66)
67no	84-89	16 ± 2 (86)	52 ± 4 (87)	59 ± 5 (86)	66 ± 4 (84)	60 ± 4 (87)	63 ± 5 (87)	29 ± 2 (87)
67no	90-94	15 ± 1 (87)	49 ± 4 (86)	57 ± 4 (87)	57 ± 4 (87)	58 ± 5 (87)	52 ± 4 (86)	27 ± 2 (87)
67no	95-98	12 ± 1 (60)	51 ± 5 (61)	60 ± 5 (56)	58 ± 5 (58)	53 ± 5 (58)	50 ± 5 (58)	26 ± 3 (59)
67no2	1981	51 ± 4 (14)	60 ± 5 (15)	65 ± 5 (15)	62 ± 5 (15)	70 ± 5 (15)	70 ± 4 (14)	67 ± 4 (15)
67no2	1982	43 ± 3 (16)	51 ± 5 (17)	52 ± 5 (17)	58 ± 5 (18)	57 ± 5 (16)	60 ± 4 (17)	50 ± 5 (16)
67no2	1983	39 ± 4 (17)	53 ± 4 (17)	59 ± 4 (16)	56 ± 5 (18)	54 ± 5 (18)	52 ± 4 (18)	49 ± 5 (17)
67no2	1984	35 ± 4 (18)	43 ± 4 (16)	50 ± 5 (17)	54 ± 5 (17)	57 ± 4 (16)	58 ± 4 (17)	50 ± 4 (18)
67no2	1985	41 ± 4 (18)	49 ± 4 (18)	44 ± 5 (17)	49 ± 4 (17)	50 ± 5 (17)	51 ± 5 (17)	47 ± 4 (18)
67no2	1986	43 ± 4 (18)	54 ± 3 (18)	54 ± 3 (18)	54 ± 4 (17)	55 ± 5 (17)	61 ± 5 (16)	56 ± 4 (17)
67no2	1987	42 ± 3 (17)	62 ± 4 (18)	61 ± 6 (18)	65 ± 3 (18)	59 ± 5 (17)	65 ± 6 (17)	51 ± 5 (17)
67no2	1988	39 ± 3 (16)	44 ± 5 (16)	53 ± 5 (16)	59 ± 4 (18)	58 ± 4 (18)	59 ± 4 (18)	52 ± 3 (17)
67no2	1989	34 ± 3 (17)	51 ± 4 (17)	50 ± 5 (17)	57 ± 5 (14)	59 ± 5 (18)	52 ± 5 (18)	49 ± 5 (18)
67no2	1990	33 ± 3 (18)	46 ± 5 (16)	49 ± 5 (17)	51 ± 5 (17)	48 ± 4 (17)	46 ± 5 (17)	41 ± 4 (18)
67no2	1991	38 ± 2 (18)	48 ± 3 (18)	55 ± 3 (17)	46 ± 4 (17)	46 ± 4 (17)	52 ± 4 (17)	46 ± 4 (18)
67no2	1992	41 ± 4 (17)	44 ± 5 (18)	47 ± 3 (18)	47 ± 4 (18)	49 ± 4 (17)	49 ± 4 (17)	41 ± 4 (17)
67no2	1993	37 ± 4 (17)	42 ± 4 (17)	43 ± 4 (18)	49 ± 4 (18)	46 ± 4 (18)	48 ± 5 (17)	42 ± 4 (17)
67no2	1994	42 ± 2 (17)	50 ± 4 (17)	56 ± 4 (17)	58 ± 4 (17)	56 ± 3 (18)	60 ± 3 (18)	54 ± 3 (17)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
67no2	1995	43 ± 1 (17)	54 ± 3 (17)	58 ± 4 (17)	56 ± 3 (17)	52 ± 4 (18)	55 ± 3 (18)	49 ± 4 (18)
67no2	1996	36 ± 4 (9)	42 ± 5 (9)	44 ± 6 (9)	39 ± 8 (9)	41 ± 3 (8)	40 ± 3 (8)	41 ± 5 (9)
67no2	1997	29 ± 2 (17)	33 ± 3 (17)	42 ± 3 (12)	45 ± 3 (14)	39 ± 2 (15)	37 ± 4 (15)	27 ± 3 (16)
67no2	1998	31 ± 3 (17)	42 ± 3 (18)	41 ± 4 (18)	38 ± 3 (18)	39 ± 3 (17)	42 ± 4 (17)	40 ± 4 (16)
67no2	81-84	42 ± 2 (65)	52 ± 2 (65)	56 ± 2 (65)	57 ± 2 (68)	59 ± 2 (65)	60 ± 2 (66)	54 ± 2 (66)
67no2	84-89	40 ± 2 (86)	52 ± 2 (87)	53 ± 2 (86)	57 ± 2 (84)	56 ± 2 (87)	57 ± 2 (86)	51 ± 2 (87)
67no2	90-94	38 ± 1 (87)	46 ± 2 (86)	50 ± 2 (87)	50 ± 2 (87)	49 ± 2 (87)	51 ± 2 (86)	45 ± 2 (87)
67no2	95-98	35 ± 1 (60)	43 ± 2 (61)	47 ± 2 (56)	45 ± 2 (58)	43 ± 2 (58)	44 ± 2 (58)	39 ± 2 (59)
67co	1981	2.1 ± 0.2 (17)	2.8 ± 0.3 (18)	3.1 ± 0.3 (17)	2.8 ± 0.3 (17)	2.9 ± 0.3 (17)	3.3 ± 0.5 (16)	2.6 ± 0.2 (17)
67co	1982	1.9 ± 0.3 (15)	2.2 ± 0.3 (16)	2.6 ± 0.3 (17)	2.6 ± 0.3 (18)	2.7 ± 0.3 (17)	3.0 ± 0.3 (17)	1.8 ± 0.2 (16)
67co	1983	1.7 ± 0.2 (15)	2.7 ± 0.3 (15)	3.0 ± 0.3 (16)	2.6 ± 0.3 (18)	2.6 ± 0.3 (17)	2.5 ± 0.3 (17)	2.2 ± 0.3 (16)
67co	1984	1.2 ± 0.2 (18)	1.8 ± 0.2 (16)	2.4 ± 0.3 (17)	2.6 ± 0.3 (17)	2.8 ± 0.2 (17)	2.7 ± 0.2 (18)	1.8 ± 0.1 (18)
67co	1985	1.2 ± 0.1 (18)	2.1 ± 0.3 (17)	2.2 ± 0.3 (17)	2.5 ± 0.3 (17)	2.6 ± 0.3 (17)	2.7 ± 0.3 (17)	1.8 ± 0.2 (17)
67co	1986	1.1 ± 0.2 (18)	2.2 ± 0.2 (18)	2.2 ± 0.2 (18)	2.3 ± 0.3 (16)	2.4 ± 0.3 (15)	2.4 ± 0.3 (16)	1.8 ± 0.2 (17)
67co	1987	1.2 ± 0.2 (17)	2.8 ± 0.4 (17)	2.4 ± 0.3 (18)	2.7 ± 0.3 (18)	2.6 ± 0.3 (16)	2.6 ± 0.4 (16)	1.6 ± 0.2 (17)
67co	1988	1.1 ± 0.2 (16)	2.1 ± 0.4 (16)	2.8 ± 0.4 (17)	3.1 ± 0.3 (18)	2.8 ± 0.4 (18)	2.8 ± 0.3 (18)	1.8 ± 0.2 (17)
67co	1989	1.1 ± 0.2 (17)	2.2 ± 0.3 (17)	2.5 ± 0.4 (17)	2.9 ± 0.3 (16)	2.6 ± 0.3 (18)	2.4 ± 0.3 (18)	1.6 ± 0.2 (18)
67co	1990	1.1 ± 0.2 (18)	2.1 ± 0.2 (16)	2.5 ± 0.3 (17)	2.4 ± 0.3 (17)	2.5 ± 0.3 (17)	2.1 ± 0.3 (17)	1.6 ± 0.2 (18)
67co	1991	1.0 ± 0.0 (5)	2.0 ± 0.3 (5)	2.2 ± 0.4 (5)	1.2 ± 0.2 (5)	0.8 ± 0.3 (4)	1.3 ± 0.3 (4)	0.8 ± 0.2 (5)
67co	1992	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67co	1993	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67co	1994	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67co	1995	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67co	1996	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67co	1997	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67co	1998	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67co	81-84	1.7 ± 0.1 (65)	2.4 ± 0.2 (65)	2.8 ± 0.1 (67)	2.7 ± 0.1 (70)	2.8 ± 0.1 (68)	2.9 ± 0.2 (68)	2.1 ± 0.1 (67)
67co	84-89	1.1 ± 0.1 (86)	2.3 ± 0.1 (85)	2.4 ± 0.1 (87)	2.7 ± 0.1 (85)	2.6 ± 0.1 (84)	2.6 ± 0.1 (85)	1.7 ± 0.1 (86)
67co	90-94	1.1 ± 0.1 (23)	2.1 ± 0.2 (21)	2.4 ± 0.2 (22)	2.1 ± 0.2 (22)	2.1 ± 0.3 (21)	2.0 ± 0.3 (21)	1.4 ± 0.2 (23)
67co	95-98	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67nmhc	1981	728 ± 63 (17)	947 ± 90 (18)	1016 ± 96 (17)	944 ± 84 (17)	980 ± 92 (17)	1093 ± 152 (16)	872 ± 59 (17)
67nmhc	1982	652 ± 78 (15)	750 ± 97 (16)	890 ± 94 (17)	879 ± 99 (18)	908 ± 77 (17)	998 ± 91 (17)	635 ± 64 (16)
67nmhc	1983	591 ± 57 (15)	896 ± 102 (15)	998 ± 92 (16)	879 ± 99 (18)	872 ± 83 (17)	854 ± 95 (17)	750 ± 85 (16)
67nmhc	1984	438 ± 51 (18)	635 ± 64 (16)	818 ± 79 (17)	872 ± 83 (17)	944 ± 75 (17)	896 ± 70 (18)	642 ± 44 (18)
67nmhc	1985	438 ± 44 (18)	710 ± 85 (17)	746 ± 88 (17)	854 ± 91 (17)	872 ± 87 (17)	908 ± 90 (17)	621 ± 49 (17)
67nmhc	1986	404 ± 52 (18)	743 ± 66 (18)	743 ± 75 (18)	769 ± 81 (16)	815 ± 98 (15)	807 ± 92 (16)	621 ± 56 (17)
67nmhc	1987	459 ± 49 (17)	944 ± 109 (17)	811 ± 102 (18)	913 ± 101 (18)	864 ± 96 (16)	864 ± 131 (16)	567 ± 70 (17)
67nmhc	1988	425 ± 55 (16)	711 ± 120 (16)	944 ± 112 (17)	1015 ± 100 (18)	947 ± 111 (18)	930 ± 91 (18)	639 ± 47 (17)
67nmhc	1989	405 ± 55 (17)	746 ± 105 (17)	836 ± 123 (17)	960 ± 100 (16)	879 ± 102 (18)	828 ± 99 (18)	557 ± 75 (18)
67nmhc	1990	421 ± 55 (18)	731 ± 73 (16)	836 ± 79 (17)	818 ± 87 (17)	836 ± 98 (17)	728 ± 104 (17)	574 ± 61 (18)
67nmhc	1991	387 ± 0 (5)	692 ± 97 (5)	753 ± 114 (5)	448 ± 61 (5)	311 ± 76 (4)	463 ± 76 (4)	326 ± 61 (5)
67nmhc	1992	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67nmhc	1993	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67nmhc	1994	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67nmhc	1995	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67nmhc	1996	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67nmhc	1997	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67nmhc	1998	(0)	(0)	(0)	(0)	(0)	(0)	(0)
67nmhc	81-84	598 ± 33 (65)	810 ± 46 (65)	929 ± 45 (67)	893 ± 45 (70)	926 ± 41 (68)	957 ± 52 (68)	724 ± 33 (67)
67nmhc	84-89	426 ± 22 (86)	771 ± 44 (85)	815 ± 45 (87)	904 ± 43 (85)	878 ± 44 (84)	868 ± 44 (85)	600 ± 27 (86)
67nmhc	90-94	414 ± 43 (23)	721 ± 59 (21)	817 ± 66 (22)	734 ± 76 (22)	736 ± 93 (21)	678 ± 88 (21)	520 ± 54 (23)
67nmhc	95-98	(0)	(0)	(0)	(0)	(0)	(0)	(0)
58hc_nox	1981	12.4 ± 5.4 (14)	10.6 ± 5.0 (15)	9.8 ± 6.5 (14)	10.5 ± 6.3 (14)	9.7 ± 5.6 (15)	9.7 ± 6.7 (13)	10.2 ± 6.1 (15)
58hc_nox	1982	10.8 ± 1.0 (15)	10.4 ± 1.1 (16)	11.1 ± 0.7 (17)	9.7 ± 0.6 (18)	10.6 ± 0.9 (16)	10.4 ± 0.6 (17)	9.8 ± 0.6 (16)
58hc_nox	1983	12.6 ± 1.0 (15)	10.0 ± 0.4 (16)	9.9 ± 0.4 (11)	9.5 ± 0.3 (18)	10.1 ± 0.6 (17)	10.6 ± 0.8 (17)	13.0 ± 0.8 (16)
58hc_nox	1984	10.5 ± 0.7 (18)	9.4 ± 0.4 (17)	10.3 ± 0.8 (10)	9.3 ± 0.5 (16)	8.3 ± 0.4 (16)	8.8 ± 0.3 (18)	11.1 ± 1.3 (18)
58hc_nox	1985	9.0 ± 1.0 (18)	9.4 ± 0.6 (17)	9.2 ± 0.9 (10)	8.4 ± 0.6 (17)	9.5 ± 0.6 (17)	8.6 ± 0.6 (17)	10.0 ± 1.0 (17)
58hc_nox	1986	8.7 ± 0.9 (18)	7.6 ± 0.4 (18)	7.9 ± 0.9 (11)	7.8 ± 0.7 (16)	7.6 ± 0.4 (16)	7.6 ± 0.5 (15)	8.0 ± 0.5 (17)
58hc_nox	1987	7.6 ± 0.4 (17)	7.3 ± 0.3 (16)	7.0 ± 0.5 (17)	6.7 ± 0.3 (18)	6.8 ± 0.3 (16)	5.9 ± 0.5 (15)	7.0 ± 0.4 (17)
58hc_nox	1988	7.0 ± 0.7 (16)	7.6 ± 0.7 (15)	7.4 ± 0.5 (15)	7.3 ± 0.2 (18)	7.2 ± 0.2 (17)	7.3 ± 0.2 (18)	7.5 ± 0.5 (17)
58hc_nox	1989	7.0 ± 0.7 (17)	6.9 ± 0.5 (16)	7.4 ± 0.6 (16)	6.3 ± 0.3 (16)	6.9 ± 0.5 (18)	6.5 ± 0.4 (17)	6.7 ± 0.5 (18)
58hc_nox	1990	7.3 ± 0.4 (18)	7.9 ± 0.3 (16)	8.0 ± 0.3 (17)	8.0 ± 0.3 (17)	7.2 ± 0.2 (17)	7.4 ± 0.3 (18)	8.8 ± 0.4 (18)
58hc_nox	1991	9.7 ± 0.6 (5)	9.7 ± 0.9 (5)	8.3 ± 0.6 (5)	6.8 ± 0.5 (5)	8.7 ± 3.0 (4)	8.3 ± 1.6 (4)	10.8 ± 1.8 (5)
58hc_nox	1992	(0)	(0)	(0)	(0)	(0)	(0)	(0)
58hc_nox	1993	(0)	(0)	(0)	(0)	(0)	(0)	(0)
58hc_nox	1994	(0)	(0)	(0)	(0)	(0)	(0)	(0)
58hc_nox	1995	(0)	(0)	(0)	(0)	(0)	(0)	(0)
58hc_nox	1996	(0)	(0)	(0)	(0)	(0)	(0)	(0)
58hc_nox	1997	(0)	(0)	(0)	(0)	(0)	(0)	(0)
58hc_nox	1998	(0)	(0)	(0)	(0)	(0)	(0)	(0)
58hc_nox	81-84	11.5 ± 0.5 (62)	10.1 ± 0.4 (64)	10.3 ± 0.3 (52)	9.7 ± 0.3 (66)	9.7 ± 0.3 (64)	9.9 ± 0.3 (65)	11.0 ± 0.5 (65)
58hc_nox	84-89	7.9 ± 0.4 (86)	7.8 ± 0.2 (82)	7.6 ± 0.3 (69)	7.3 ± 0.2 (85)	7.6 ± 0.2 (84)	7.2 ± 0.2 (82)	7.8 ± 0.3 (86)
58hc_nox	90-94	7.9 ± 0.4 (23)	8.4 ± 0.3 (21)	8.0 ± 0.3 (22)	7.7 ± 0.3 (22)	7.5 ± 0.6 (21)	7.6 ± 0.4 (22)	9.2 ± 0.5 (23)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
58hc_nox	95-98	(0)	(0)	(0)	(0)	(0)	(0)	(0)
maxo3hc_nox	1981	13.4 ± 1.1 (14)	12.1 ± 1.4 (15)	10.9 ± 1.7 (12)	13.0 ± 1.1 (15)	11.9 ± 1.2 (15)	13.2 ± 1.3 (14)	14.0 ± 1.1 (15)
maxo3hc_nox	1982	12.2 ± 1.9 (16)	12.0 ± 1.0 (17)	11.3 ± 0.9 (15)	10.6 ± 1.0 (15)	10.6 ± 1.1 (16)	11.5 ± 0.9 (16)	13.0 ± 0.9 (16)
maxo3hc_nox	1983	18.1 ± 1.7 (16)	14.0 ± 0.9 (17)	13.3 ± 1.1 (17)	16.6 ± 2.1 (17)	14.0 ± 0.8 (16)	14.3 ± 1.6 (18)	16.6 ± 1.1 (16)
maxo3hc_nox	1984	17.3 ± 2.2 (18)	14.0 ± 1.0 (17)	14.1 ± 1.3 (15)	14.6 ± 0.9 (17)	13.9 ± 1.2 (14)	13.7 ± 0.9 (17)	15.7 ± 1.6 (18)
maxo3hc_nox	1985	15.3 ± 1.2 (17)	13.7 ± 2.0 (16)	13.5 ± 2.2 (15)	13.8 ± 1.8 (16)	13.5 ± 1.8 (16)	14.1 ± 1.9 (17)	16.1 ± 1.9 (18)
maxo3hc_nox	1986	11.8 ± 1.4 (18)	9.7 ± 1.0 (18)	12.1 ± 1.9 (16)	9.5 ± 0.5 (15)	11.1 ± 1.1 (16)	11.2 ± 1.1 (17)	13.4 ± 1.8 (17)
maxo3hc_nox	1987	10.1 ± 1.0 (17)	9.2 ± 0.6 (17)	8.8 ± 0.5 (18)	8.4 ± 0.4 (17)	8.1 ± 0.3 (16)	8.2 ± 0.5 (16)	9.7 ± 0.9 (17)
maxo3hc_nox	1988	8.0 ± 0.8 (16)	8.8 ± 0.8 (17)	9.5 ± 0.8 (17)	9.2 ± 0.5 (17)	8.2 ± 0.4 (18)	8.6 ± 0.4 (17)	7.9 ± 0.8 (17)
maxo3hc_nox	1989	10.0 ± 1.4 (17)	8.5 ± 1.2 (16)	8.6 ± 1.0 (16)	8.8 ± 1.0 (16)	7.4 ± 0.7 (18)	7.9 ± 0.8 (18)	8.6 ± 1.2 (18)
maxo3hc_nox	1990	13.2 ± 1.4 (18)	11.2 ± 1.1 (15)	10.9 ± 1.1 (16)	11.0 ± 0.7 (17)	10.5 ± 0.7 (17)	10.2 ± 0.7 (18)	13.4 ± 1.2 (18)
maxo3hc_nox	1991	11.1 ± 1.8 (5)	13.5 ± 1.6 (5)	9.2 ± 1.0 (5)	13.7 ± 2.0 (4)	10.4 ± 2.5 (4)	11.3 ± 0.9 (4)	16.8 ± 1.6 (5)
maxo3hc_nox	1992	(0)	(0)	(0)	(0)	(0)	(0)	(0)
maxo3hc_nox	1993	(0)	(0)	(0)	(0)	(0)	(0)	(0)
maxo3hc_nox	1994	(0)	(0)	(0)	(0)	(0)	(0)	(0)
maxo3hc_nox	1995	(0)	(0)	(0)	(0)	(0)	(0)	(0)
maxo3hc_nox	1996	(0)	(0)	(0)	(0)	(0)	(0)	(0)
maxo3hc_nox	1997	(0)	(0)	(0)	(0)	(0)	(0)	(0)
maxo3hc_nox	1998	(0)	(0)	(0)	(0)	(0)	(0)	(0)
maxo3hc_nox	81-84	15.4 ± 0.9 (64)	13.0 ± 0.5 (66)	12.5 ± 0.6 (59)	13.8 ± 0.7 (64)	12.6 ± 0.6 (61)	13.3 ± 0.6 (65)	14.9 ± 0.6 (65)
maxo3hc_nox	84-89	11.1 ± 0.6 (85)	9.9 ± 0.6 (84)	10.4 ± 0.6 (82)	9.9 ± 0.5 (81)	9.6 ± 0.5 (84)	10.0 ± 0.5 (85)	11.2 ± 0.7 (87)
maxo3hc_nox	90-94	12.8 ± 1.1 (23)	11.8 ± 0.9 (20)	10.5 ± 0.8 (21)	11.5 ± 0.7 (21)	10.5 ± 0.7 (21)	10.4 ± 0.6 (22)	14.1 ± 1.0 (23)
maxo3hc_nox	95-98	(0)	(0)	(0)	(0)	(0)	(0)	(0)
t <sub>no</sub> =03	1981	6.3 ± 0.2 (8)	6.9 ± 0.3 (9)	7.8 ± 0.3 (5)	7.3 ± 0.3 (9)	7.0 ± 0.2 (13)	7.0 ± 0.3 (10)	6.4 ± 0.2 (14)
t <sub>no</sub> =03	1982	6.5 ± 0.4 (8)	6.9 ± 0.2 (12)	6.7 ± 0.2 (9)	6.9 ± 0.2 (12)	7.3 ± 0.4 (10)	7.0 ± 0.2 (11)	7.0 ± 0.4 (10)
t <sub>no</sub> =03	1983	6.8 ± 0.4 (10)	7.8 ± 0.2 (14)	7.3 ± 0.3 (7)	7.3 ± 0.3 (17)	7.6 ± 0.3 (15)	7.6 ± 0.2 (16)	6.7 ± 0.2 (11)
t <sub>no</sub> =03	1984	6.9 ± 0.2 (15)	7.6 ± 0.3 (14)	7.8 ± 0.4 (8)	7.7 ± 0.3 (16)	7.7 ± 0.2 (15)	7.6 ± 0.2 (16)	7.1 ± 0.2 (16)
t <sub>no</sub> =03	1985	6.7 ± 0.2 (14)	7.1 ± 0.2 (9)	7.5 ± 0.3 (5)	7.9 ± 0.4 (15)	7.5 ± 0.3 (15)	7.3 ± 0.2 (15)	7.0 ± 0.2 (17)
t <sub>no</sub> =03	1986	6.3 ± 0.3 (7)	7.5 ± 0.2 (15)	7.2 ± 0.3 (9)	7.4 ± 0.2 (12)	7.4 ± 0.2 (14)	7.1 ± 0.3 (14)	6.9 ± 0.2 (15)
t <sub>no</sub> =03	1987	7.1 ± 0.3 (15)	7.8 ± 0.3 (8)	8.4 ± 0.2 (6)	8.0 ± 0.2 (15)	8.2 ± 0.2 (14)	8.1 ± 0.3 (12)	7.6 ± 0.2 (16)
t <sub>no</sub> =03	1988	7.2 ± 0.4 (10)	7.6 ± 0.4 (7)	8.4 ± 0.2 (5)	7.8 ± 0.2 (14)	8.2 ± 0.2 (13)	8.4 ± 0.2 (12)	7.6 ± 0.2 (14)
t <sub>no</sub> =03	1989	7.2 ± 0.3 (13)	8.3 ± 0.8 (6)	8.4 ± 0.1 (6)	8.1 ± 0.3 (10)	7.9 ± 0.2 (18)	7.8 ± 0.3 (15)	7.4 ± 0.3 (16)
t <sub>no</sub> =03	1990	7.5 ± 0.3 (13)	7.4 ± 0.3 (8)	8.0 ± 0.5 (11)	7.9 ± 0.2 (15)	8.4 ± 0.2 (15)	7.4 ± 0.4 (14)	7.1 ± 0.2 (17)
t <sub>no</sub> =03	1991	7.2 ± 0.3 (14)	8.1 ± 0.5 (14)	8.4 ± 0.2 (16)	8.5 ± 0.3 (14)	8.4 ± 0.4 (12)	8.2 ± 0.2 (16)	7.9 ± 0.1 (15)
t <sub>no</sub> =03	1992	6.8 ± 0.4 (13)	7.6 ± 0.3 (17)	8.2 ± 0.2 (18)	8.0 ± 0.3 (16)	7.9 ± 0.2 (15)	8.3 ± 0.3 (15)	7.6 ± 0.4 (14)
t <sub>no</sub> =03	1993	7.4 ± 0.2 (11)	7.8 ± 0.3 (14)	8.1 ± 0.3 (17)	7.9 ± 0.2 (17)	7.6 ± 0.3 (14)	7.7 ± 0.3 (16)	7.8 ± 0.3 (14)
t <sub>no</sub> =03	1994	6.9 ± 0.3 (9)	7.9 ± 0.2 (13)	8.1 ± 0.3 (13)	8.1 ± 0.3 (16)	7.8 ± 0.3 (17)	8.1 ± 0.2 (17)	7.5 ± 0.2 (17)
t <sub>no</sub> =03	1995	7.2 ± 0.4 (11)	7.7 ± 0.2 (16)	8.2 ± 0.2 (14)	8.6 ± 0.2 (16)	8.6 ± 0.2 (13)	8.0 ± 0.3 (16)	7.3 ± 0.2 (16)
t <sub>no</sub> =03	1996	6.2 ± 0.2 (3)	7.8 ± 0.4 (8)	8.0 ± 0.3 (6)	8.4 ± 0.4 (4)	7.6 ± 0.6 (6)	8.0 ± 0.5 (4)	6.5 ± 0.3 (8)
t <sub>no</sub> =03	1997	6.9 ± 0.3 (8)	8.6 ± 0.3 (13)	8.9 ± 0.5 (10)	8.6 ± 0.2 (11)	9.0 ± 0.3 (11)	8.7 ± 0.4 (7)	8.6 ± 0.3 (7)
t <sub>no</sub> =03	1998	7.6 ± 0.5 (5)	8.7 ± 0.3 (15)	8.8 ± 0.3 (13)	8.7 ± 0.4 (15)	9.0 ± 0.3 (14)	8.7 ± 0.4 (13)	8.0 ± 0.3 (12)
t <sub>no</sub> =03	81-84	6.7 ± 0.1 (41)	7.4 ± 0.1 (49)	7.3 ± 0.2 (29)	7.3 ± 0.1 (54)	7.4 ± 0.1 (53)	7.3 ± 0.1 (53)	6.8 ± 0.1 (51)
t <sub>no</sub> =03	84-89	6.9 ± 0.1 (59)	7.6 ± 0.2 (45)	7.9 ± 0.1 (31)	7.8 ± 0.1 (66)	7.8 ± 0.1 (74)	7.7 ± 0.1 (68)	7.3 ± 0.1 (78)
t <sub>no</sub> =03	90-94	7.2 ± 0.1 (60)	7.8 ± 0.2 (66)	8.2 ± 0.1 (75)	8.1 ± 0.1 (78)	8.0 ± 0.1 (73)	8.0 ± 0.1 (78)	7.6 ± 0.1 (77)
t <sub>no</sub> =03	95-98	7.1 ± 0.2 (27)	8.2 ± 0.2 (52)	8.5 ± 0.2 (43)	8.6 ± 0.1 (46)	8.7 ± 0.2 (44)	8.3 ± 0.2 (40)	7.6 ± 0.2 (43)
to3max	1981	14.2 ± 0.4 (17)	14.0 ± 0.4 (18)	13.8 ± 0.3 (18)	13.9 ± 0.3 (18)	13.9 ± 0.3 (17)	14.1 ± 0.3 (17)	13.7 ± 0.3 (17)
to3max	1982	13.4 ± 0.7 (16)	13.9 ± 0.4 (17)	14.5 ± 0.2 (18)	13.4 ± 0.7 (18)	13.7 ± 0.4 (18)	13.6 ± 0.8 (17)	13.8 ± 0.4 (16)
to3max	1983	14.6 ± 0.4 (17)	14.4 ± 0.3 (17)	14.3 ± 0.3 (17)	14.2 ± 0.4 (18)	13.3 ± 0.9 (18)	13.1 ± 1.1 (18)	14.2 ± 0.3 (17)
to3max	1984	13.6 ± 0.4 (18)	14.2 ± 0.3 (17)	13.0 ± 0.8 (17)	14.2 ± 0.3 (17)	13.8 ± 0.2 (17)	13.9 ± 0.3 (18)	13.8 ± 0.4 (18)
to3max	1985	14.5 ± 0.3 (18)	14.0 ± 0.3 (18)	13.8 ± 0.3 (17)	13.2 ± 0.8 (17)	13.9 ± 0.4 (17)	13.9 ± 0.2 (17)	14.2 ± 0.2 (18)
to3max	1986	14.4 ± 0.4 (18)	13.9 ± 0.3 (18)	13.5 ± 0.3 (18)	13.3 ± 0.7 (17)	13.8 ± 0.4 (17)	14.2 ± 0.3 (17)	13.5 ± 0.4 (17)
to3max	1987	14.0 ± 0.3 (17)	14.5 ± 0.2 (18)	14.2 ± 0.2 (18)	13.9 ± 0.2 (18)	13.6 ± 0.3 (17)	14.1 ± 0.3 (17)	14.1 ± 0.2 (17)
to3max	1988	13.8 ± 0.4 (16)	14.1 ± 0.3 (17)	13.3 ± 0.8 (17)	13.8 ± 0.3 (18)	13.8 ± 0.3 (18)	14.1 ± 0.3 (18)	14.2 ± 0.3 (17)
to3max	1989	14.2 ± 0.3 (17)	13.6 ± 0.2 (17)	13.6 ± 0.3 (17)	13.8 ± 0.3 (17)	13.8 ± 0.3 (18)	14.2 ± 0.3 (18)	13.6 ± 0.3 (18)
to3max	1990	14.1 ± 0.3 (18)	13.9 ± 0.2 (17)	13.5 ± 0.3 (17)	14.1 ± 0.6 (17)	13.1 ± 0.8 (17)	12.7 ± 0.7 (18)	13.7 ± 0.4 (18)
to3max	1991	14.6 ± 0.3 (18)	13.9 ± 0.3 (18)	13.9 ± 0.3 (17)	14.1 ± 0.2 (17)	14.6 ± 0.2 (17)	14.7 ± 0.4 (17)	14.2 ± 0.2 (18)
to3max	1992	13.6 ± 0.4 (17)	14.2 ± 0.2 (18)	13.6 ± 0.3 (18)	14.3 ± 0.2 (18)	13.9 ± 0.3 (17)	14.1 ± 0.3 (17)	14.5 ± 0.2 (17)
to3max	1993	14.2 ± 0.3 (17)	13.9 ± 0.3 (17)	14.7 ± 0.2 (18)	14.6 ± 0.2 (18)	13.7 ± 0.3 (18)	14.0 ± 0.2 (17)	14.1 ± 0.3 (17)
to3max	1994	14.4 ± 0.3 (17)	14.2 ± 0.3 (17)	14.5 ± 0.3 (17)	14.3 ± 0.2 (18)	14.3 ± 0.3 (18)	14.2 ± 0.3 (18)	13.9 ± 0.2 (17)
to3max	1995	14.5 ± 0.3 (17)	14.2 ± 0.3 (17)	14.4 ± 0.3 (17)	14.9 ± 0.3 (17)	13.5 ± 0.3 (17)	14.7 ± 0.4 (17)	14.8 ± 0.2 (18)
to3max	1996	13.4 ± 0.4 (9)	14.1 ± 0.3 (8)	14.2 ± 0.4 (9)	14.1 ± 0.6 (9)	13.8 ± 0.4 (8)	14.9 ± 0.1 (8)	14.7 ± 0.2 (9)
to3max	1997	14.1 ± 0.2 (18)	14.1 ± 0.2 (18)	14.2 ± 0.2 (18)	13.9 ± 0.2 (17)	14.0 ± 0.4 (16)	14.0 ± 0.4 (17)	14.7 ± 0.2 (17)
to3max	1998	14.6 ± 0.2 (17)	13.6 ± 0.8 (18)	14.1 ± 0.2 (17)	13.9 ± 0.3 (18)	14.2 ± 0.4 (17)	14.6 ± 0.3 (16)	14.7 ± 0.3 (16)
to3max	81-84	14.0 ± 0.3 (68)	14.1 ± 0.2 (69)	13.9 ± 0.2 (70)	13.9 ± 0.2 (71)	13.7 ± 0.3 (70)	13.7 ± 0.4 (70)	13.9 ± 0.2 (68)
to3max	84-89	14.2 ± 0.2 (86)	14.0 ± 0.1 (88)	13.7 ± 0.2 (87)	13.6 ± 0.2 (87)	13.8 ± 0.1 (87)	14.1 ± 0.1 (87)	13.9 ± 0.1 (87)
to3max	90-94	14.2 ± 0.1 (87)	14.1 ± 0.1 (87)	14.0 ± 0.1 (87)	14.3 ± 0.1 (88)	13.9 ± 0.2 (87)	13.9 ± 0.2 (87)	14.1 ± 0.1 (87)
to3max	95-98	14.3 ± 0.1 (61)	14.0 ± 0.3 (61)	14.2 ± 0.1 (61)	14.2 ± 0.2 (61)	13.9 ± 0.2 (58)	14.5 ± 0.2 (58)	14.7 ± 0.1 (60)
to3acc	1981	8.1 ± 0.4 (8)	6.9 ± 0.8 (9)	6.0 ± 0.6 (5)	6.5 ± 1.0 (9)	6.6 ± 0.4 (13)	7.1 ± 0.5 (10)	7.1 ± 0.4 (14)
to3acc	1982	7.6 ± 0.6 (8)	7.0 ± 0.7 (12)	7.8 ± 0.5 (9)	6.4 ± 1.1 (12)	6.3 ± 0.6 (10)	7.7 ± 0.5 (11)	6.3 ± 0.7 (10)
to3acc	1983	7.7 ± 0.6 (10)	6.5 ± 0.5 (14)	6.4 ± 0.4 (7)	6.9 ± 0.5 (17)	6.3 ± 0.5 (15)	6.3 ± 0.8 (16)	7.4 ± 0.5 (11)
to3acc	1984	6.7 ± 0.6 (15)	6.4 ± 0.4 (14)	5.7 ± 0.4 (8)	6.5 ± 0.4 (16)	6.0 ± 0.3 (15)	6.1 ± 0.4 (16)	6.9 ± 0.4 (16)
to3acc	1985	7.8 ± 0.3 (14)	7.0 ± 0.4 (9)	5.9 ± 0.8 (5)	5.1 ± 1.1 (15)	6.6 ± 0.5 (15)	6.6 ± 0.3 (15)	7.2 ± 0.4 (17)
to3acc	1986	8.1 ± 0.7 (7)	6.4 ± 0.3 (15)	6.2 ± 0.5 (9)	6.3 ± 0.2 (12)	6.1 ± 0.4 (14)	6.8 ± 0.4 (14)	6.7 ± 0.5 (15)

**APPENDIX A**  
**Average Day-of-the-Week Air Quality Parameters by Site and Year (1981-1998)**

Data	Period	Sun	Mon	Tue	Wed	Thu	Fri	Sat
to3acc	1987	6.8 ± 0.4 (15)	6.7 ± 0.4 (8)	5.4 ± 0.4 (6)	5.9 ± 0.3 (15)	5.5 ± 0.5 (14)	6.1 ± 0.5 (12)	6.5 ± 0.4 (16)
to3acc	1988	7.1 ± 0.6 (10)	6.4 ± 0.6 (7)	5.2 ± 0.7 (5)	6.0 ± 0.4 (14)	5.7 ± 0.4 (13)	5.7 ± 0.3 (12)	6.2 ± 0.4 (14)
to3acc	1989	7.1 ± 0.5 (13)	5.0 ± 1.1 (6)	5.0 ± 0.3 (6)	5.8 ± 0.5 (10)	5.9 ± 0.3 (18)	6.4 ± 0.4 (15)	6.3 ± 0.4 (16)
to3acc	1990	6.3 ± 0.4 (13)	6.5 ± 0.3 (8)	5.4 ± 0.5 (11)	5.6 ± 0.4 (15)	5.4 ± 0.4 (15)	5.1 ± 0.9 (14)	6.6 ± 0.5 (17)
to3acc	1991	7.4 ± 0.5 (14)	6.0 ± 0.4 (14)	5.5 ± 0.4 (16)	5.3 ± 0.3 (14)	6.1 ± 0.4 (12)	6.4 ± 0.3 (16)	6.3 ± 0.3 (15)
to3acc	1992	6.5 ± 0.9 (13)	6.7 ± 0.4 (17)	5.4 ± 0.3 (18)	6.3 ± 0.3 (16)	5.9 ± 0.3 (15)	5.8 ± 0.4 (15)	6.8 ± 0.5 (14)
to3acc	1993	6.9 ± 0.4 (11)	6.1 ± 0.5 (14)	6.6 ± 0.3 (17)	6.6 ± 0.3 (17)	5.9 ± 0.5 (14)	6.2 ± 0.3 (16)	6.4 ± 0.4 (14)
to3acc	1994	7.0 ± 0.5 (9)	6.5 ± 0.3 (13)	6.5 ± 0.4 (13)	6.1 ± 0.3 (16)	6.5 ± 0.3 (17)	6.1 ± 0.3 (17)	6.4 ± 0.2 (17)
to3acc	1995	7.5 ± 0.4 (11)	6.5 ± 0.4 (16)	6.1 ± 0.5 (14)	6.3 ± 0.4 (16)	5.2 ± 0.4 (13)	6.5 ± 0.4 (15)	7.4 ± 0.4 (16)
to3acc	1996	6.8 ± 0.7 (3)	6.3 ± 0.3 (8)	6.7 ± 0.2 (6)	5.3 ± 1.0 (4)	6.1 ± 0.7 (6)	7.0 ± 0.5 (4)	8.3 ± 0.4 (8)
to3acc	1997	7.6 ± 0.3 (8)	5.7 ± 0.4 (13)	4.9 ± 0.5 (10)	5.0 ± 0.3 (11)	4.7 ± 0.4 (11)	5.0 ± 0.8 (7)	6.3 ± 0.4 (7)
to3acc	1998	6.8 ± 0.7 (5)	5.6 ± 0.5 (15)	5.2 ± 0.4 (13)	5.2 ± 0.5 (15)	5.4 ± 0.4 (14)	5.9 ± 0.4 (13)	6.6 ± 0.3 (12)
to3acc	81-84	7.4 ± 0.3 (41)	6.7 ± 0.3 (49)	6.6 ± 0.3 (29)	6.6 ± 0.3 (54)	6.3 ± 0.2 (53)	6.6 ± 0.3 (53)	7.0 ± 0.2 (51)
to3acc	84-89	7.3 ± 0.2 (59)	6.4 ± 0.2 (45)	5.6 ± 0.2 (31)	5.8 ± 0.3 (66)	6.0 ± 0.2 (74)	6.4 ± 0.2 (68)	6.6 ± 0.2 (78)
to3acc	90-94	6.8 ± 0.3 (60)	6.3 ± 0.2 (66)	5.9 ± 0.2 (75)	6.0 ± 0.2 (78)	6.0 ± 0.2 (73)	6.0 ± 0.2 (78)	6.5 ± 0.2 (77)
to3acc	95-98	7.3 ± 0.2 (27)	6.0 ± 0.2 (52)	5.7 ± 0.2 (43)	5.5 ± 0.2 (46)	5.2 ± 0.2 (44)	6.1 ± 0.3 (39)	7.2 ± 0.2 (43)
o3rate	1981	23.3 ± 1.5 (8)	21.6 ± 2.7 (9)	30.0 ± 1.6 (5)	22.4 ± 1.7 (9)	27.2 ± 1.9 (13)	27.0 ± 2.5 (10)	23.9 ± 1.8 (14)
o3rate	1982	19.3 ± 1.7 (8)	22.0 ± 2.6 (12)	20.2 ± 3.3 (9)	18.3 ± 3.0 (12)	22.1 ± 3.6 (10)	19.8 ± 2.8 (11)	23.5 ± 2.2 (10)
o3rate	1983	21.2 ± 2.5 (10)	20.4 ± 1.9 (14)	24.9 ± 5.5 (7)	22.6 ± 1.8 (17)	23.2 ± 1.6 (15)	22.7 ± 2.4 (16)	21.3 ± 2.3 (11)
o3rate	1984	16.3 ± 1.7 (15)	18.1 ± 1.8 (14)	25.9 ± 2.0 (8)	22.7 ± 2.7 (16)	25.9 ± 1.9 (15)	25.4 ± 2.4 (16)	18.4 ± 1.1 (16)
o3rate	1985	15.8 ± 1.8 (14)	17.0 ± 3.3 (9)	18.4 ± 3.7 (5)	19.5 ± 2.7 (15)	20.1 ± 2.3 (15)	21.1 ± 2.4 (15)	20.2 ± 1.6 (17)
o3rate	1986	15.4 ± 2.2 (7)	19.1 ± 1.4 (15)	20.6 ± 3.4 (9)	22.7 ± 1.8 (12)	20.1 ± 2.4 (14)	19.9 ± 2.4 (14)	19.5 ± 2.7 (15)
o3rate	1987	16.9 ± 1.5 (15)	20.4 ± 1.8 (8)	21.5 ± 2.7 (6)	22.2 ± 2.2 (15)	18.5 ± 1.9 (14)	20.8 ± 2.3 (12)	18.8 ± 1.8 (16)
o3rate	1988	15.9 ± 1.3 (10)	20.0 ± 3.4 (7)	24.8 ± 5.0 (5)	18.5 ± 1.5 (14)	21.9 ± 1.6 (13)	20.5 ± 2.4 (12)	19.0 ± 1.9 (14)
o3rate	1989	15.5 ± 1.3 (13)	21.2 ± 3.6 (6)	19.7 ± 3.2 (6)	21.2 ± 3.7 (10)	18.7 ± 1.5 (18)	16.0 ± 1.7 (15)	17.7 ± 1.2 (16)
o3rate	1990	15.9 ± 2.1 (13)	20.6 ± 2.8 (8)	18.1 ± 2.9 (11)	16.3 ± 2.1 (15)	19.3 ± 1.9 (15)	17.9 ± 2.8 (14)	16.7 ± 1.4 (17)
o3rate	1991	16.9 ± 1.0 (14)	16.4 ± 1.9 (14)	16.1 ± 1.5 (16)	17.4 ± 1.9 (14)	18.3 ± 1.9 (12)	16.6 ± 1.9 (16)	18.8 ± 1.4 (15)
o3rate	1992	15.4 ± 1.9 (13)	15.5 ± 1.7 (17)	16.9 ± 1.4 (18)	16.3 ± 1.8 (16)	18.6 ± 1.6 (15)	14.5 ± 1.5 (15)	16.4 ± 1.6 (14)
o3rate	1993	17.8 ± 1.2 (11)	13.5 ± 1.8 (14)	14.0 ± 0.9 (17)	14.4 ± 1.2 (17)	17.0 ± 2.1 (14)	17.5 ± 1.8 (16)	17.3 ± 1.5 (14)
o3rate	1994	17.3 ± 1.2 (9)	16.1 ± 1.3 (13)	17.9 ± 2.0 (13)	17.8 ± 1.8 (16)	18.1 ± 1.7 (17)	18.6 ± 1.5 (17)	20.1 ± 1.5 (17)
o3rate	1995	15.3 ± 1.4 (11)	15.6 ± 1.2 (16)	16.2 ± 1.9 (14)	15.3 ± 1.6 (16)	17.6 ± 1.5 (13)	16.6 ± 1.8 (15)	18.8 ± 2.0 (16)
o3rate	1996	14.7 ± 2.3 (3)	14.4 ± 1.2 (8)	11.5 ± 1.1 (6)	17.5 ± 3.7 (4)	14.3 ± 3.2 (6)	10.0 ± 0.7 (4)	14.3 ± 0.8 (8)
o3rate	1997	11.1 ± 1.2 (8)	10.1 ± 1.0 (13)	11.9 ± 1.1 (10)	14.0 ± 1.5 (11)	12.3 ± 1.3 (11)	12.0 ± 0.6 (7)	13.1 ± 1.1 (7)
o3rate	1998	14.6 ± 0.8 (5)	12.1 ± 1.1 (15)	14.1 ± 1.8 (13)	11.6 ± 1.7 (15)	12.8 ± 1.1 (14)	11.6 ± 1.4 (13)	13.8 ± 1.2 (12)
o3rate	81-84	19.4 ± 1.0 (41)	20.3 ± 1.1 (49)	24.6 ± 1.8 (29)	21.6 ± 1.2 (54)	24.7 ± 1.1 (53)	23.7 ± 1.3 (53)	21.5 ± 0.9 (51)
o3rate	84-89	16.0 ± 0.7 (59)	19.3 ± 1.1 (45)	20.9 ± 1.6 (31)	20.7 ± 1.1 (66)	19.8 ± 0.9 (74)	19.6 ± 1.0 (68)	19.1 ± 0.8 (78)
o3rate	90-94	16.6 ± 0.7 (60)	16.0 ± 0.8 (66)	16.4 ± 0.8 (75)	16.4 ± 0.8 (78)	18.2 ± 0.8 (73)	17.1 ± 0.8 (78)	17.9 ± 0.7 (77)
o3rate	95-98	13.9 ± 0.8 (27)	13.0 ± 0.6 (52)	13.9 ± 0.9 (43)	14.0 ± 0.9 (46)	14.3 ± 0.8 (44)	13.4 ± 0.9 (39)	15.7 ± 0.9 (43)